HEMIST and DRUGGIST NOVEMBER 27, 1943

The
CHEMIST AND DRUGGIST
for RETAILER - WHOLESALER - MANUFACTURER

blished 1859 28 Essex Street, Strand, London, W.C.2 Registered as a Newspaper

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CXL NOVEMBER 27, 1943 Annual Subscription (with Diary) 25/- Single Copies 9d.

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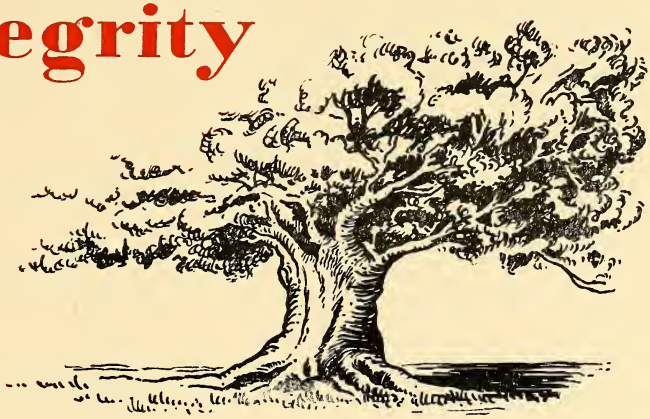

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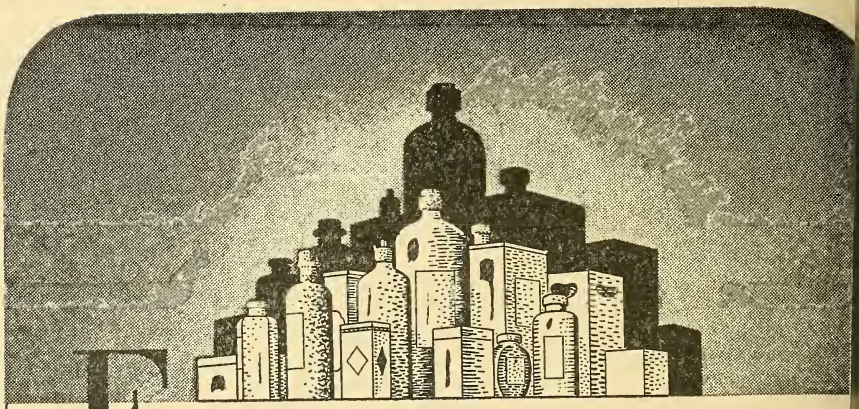

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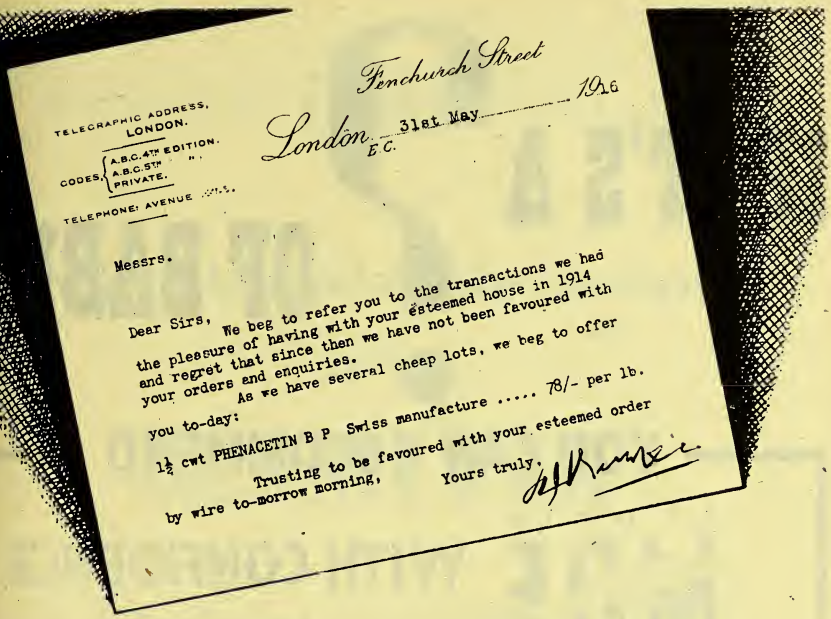

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London E.C. 31st May 1916

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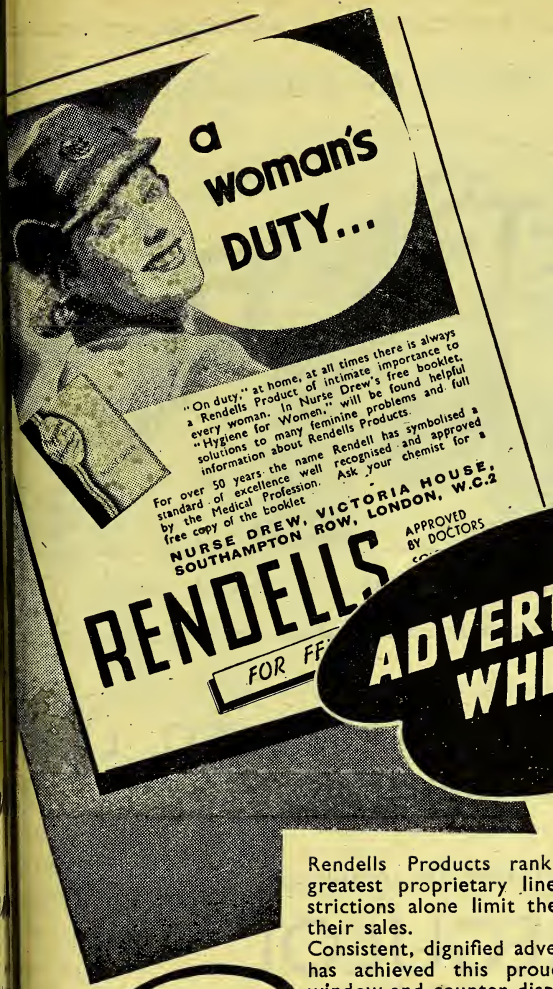

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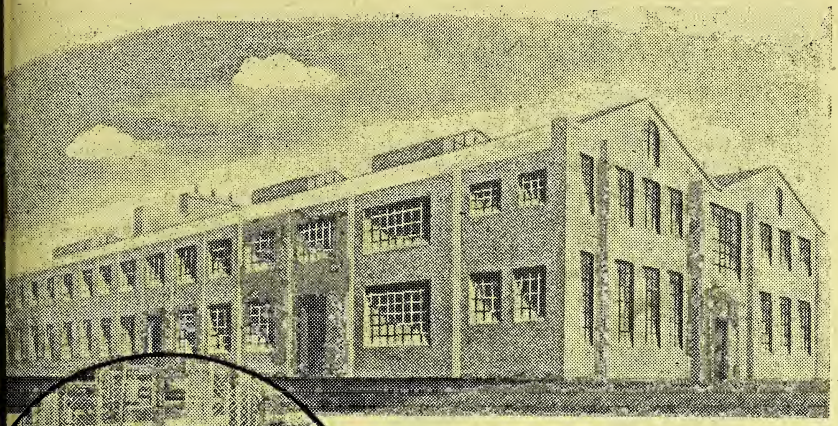

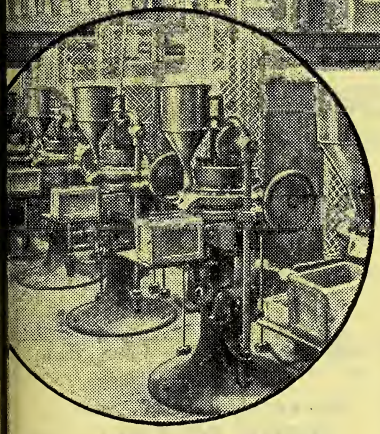

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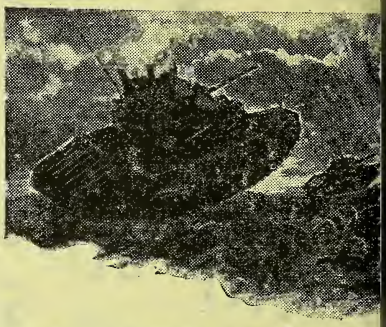

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Medical research, too, has pro defensive armour for the m profession. The prevention of by protective measures again invisible but numberless and u tous foe—the disease germ increasingly lowering the general morbidity mortality.

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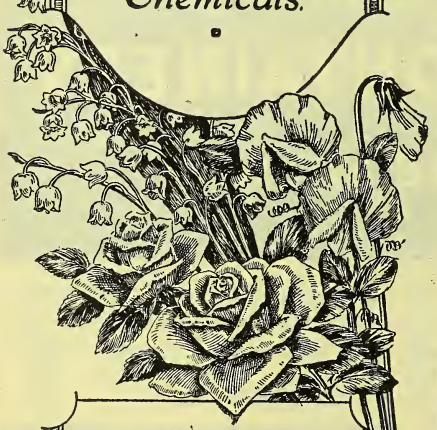

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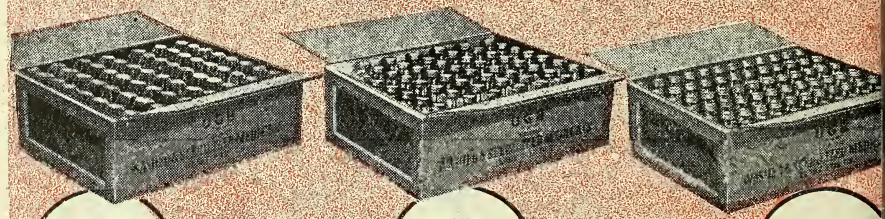

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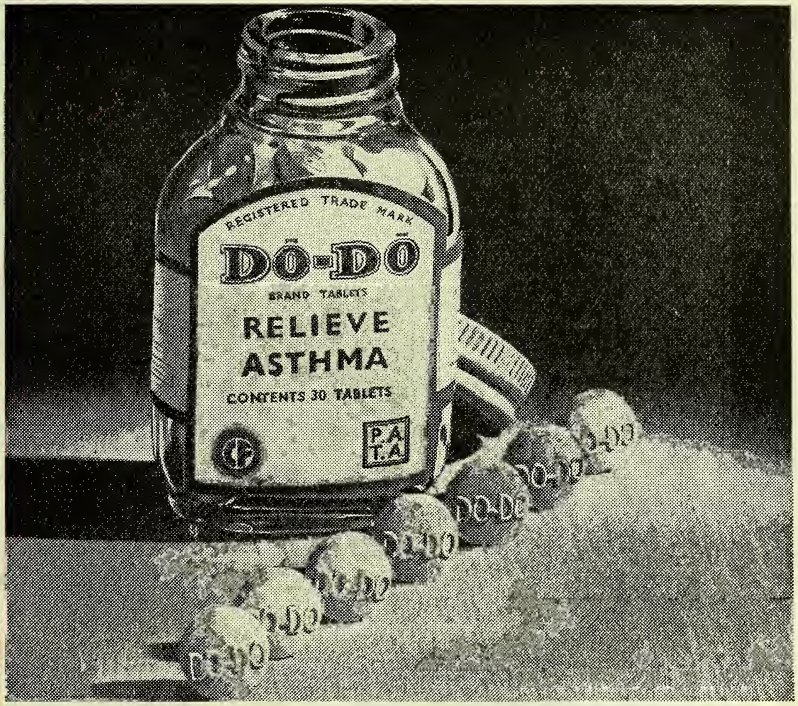

The qualities of Do-Do Asthma Tablets have gained increasing recognition, until to-day they have the largest sale of any asthma tablet in the world. 30 Tablets 3s. 4½d.; Trial size (7 Full Doses) 1s. 1½d. (Prices include Purchase Tax.)

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Asthma Cure . . .

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Wholesale 18/- per doz.
(Packed in half doz.)
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AN ESSENTIAL LINE FOR EVERY CHEMIST THIS SEASON.
THIS WIDELY KNOWN AND RELIABLE REMEDY HAS WON
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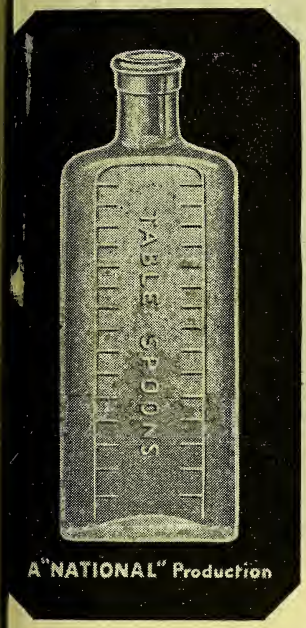

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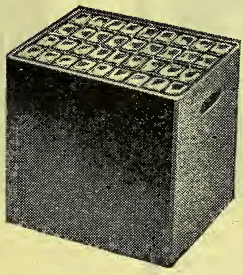

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Plain or teaspoon graduations
Medium and tall types

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TISSUE
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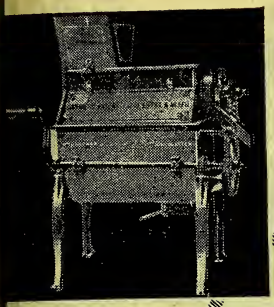

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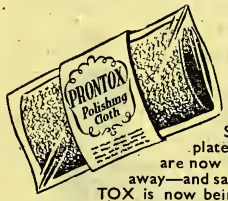
Polishing Cloth

Supplies now available—
STOCK UP—RIGHT AWAY



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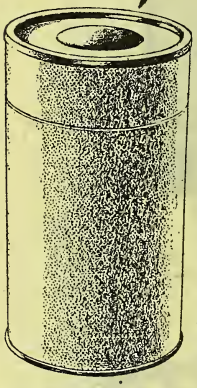

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Discount off Retail Prices 25% Monthly Account,
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For destroying Blackbeetles, Cockroaches, Crickets,

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In cartons 9d. each	6/9 per
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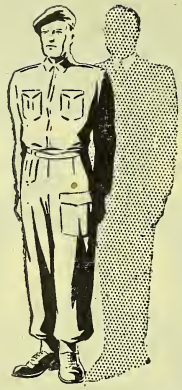

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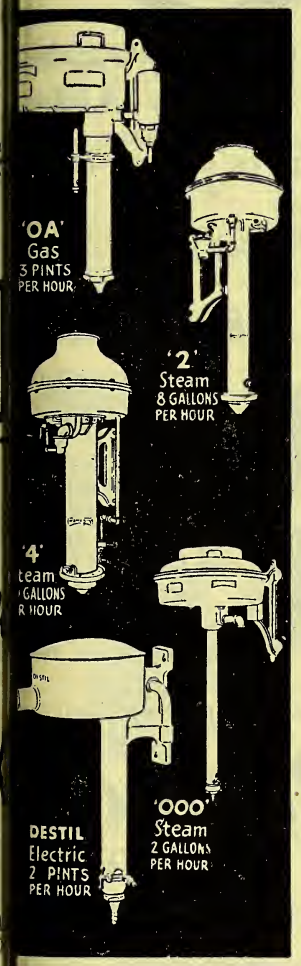

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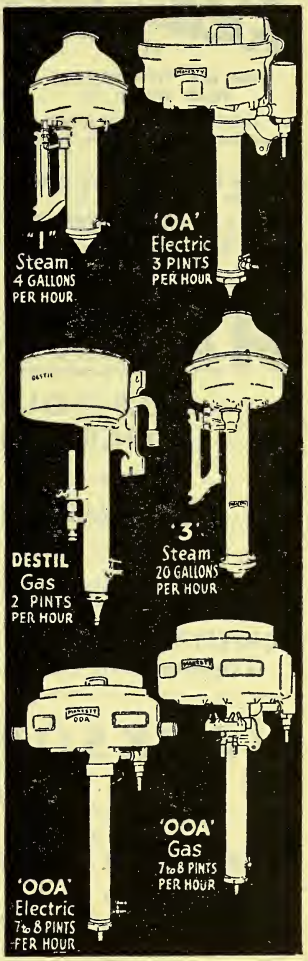
Send a postcard and we will send you particulars of any or all of these Stills



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WAR-TIME MARKET NEWS

summarising war-time opportunities, special notices, new packaging and new product

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Our policy therefore is to distribute all available supplies to our Chemist Friends only

In three popular sizes only during the war, 1/-, 2/- & 4/-

J. & J. BEAULAH LIMITED, BOSTON, LINCS.

Eau de Cologne and Beauty Aids

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MADE IN ENGLAND

All enquiries to:—

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KEEP YOUR STOCKS UP

BOTH SIZES

3/11½ and 11/10

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are now labelled to comply with the Pharmacy & Medicine Act, 1941

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Available in all popular sizes:

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'Kepler' advertisements are now appearing in the most widely read women's papers and are due to appear in the Radio Times, Punch, Picture Post and some of the National Sunday papers.

Display 'Kepler' on your counter to serve as a reminder to customers with interest already stimulated by this publicity.

Make sure that your stock is sufficient to meet the increased demand and remember that conditions make it necessary to order well in advance.

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COD LIVER OIL WITH MALT EXTRACT

Bottles of two sizes, medium 3/6, *large* 6/3
Retail Prices

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Carbaminoylcholine Chloride

Powerful parasympathetic stimulant.

"Dr. JENNER'S ABSORBENT LOZENGES"

Trade Mark *Digestive Tablets* Brand

Famous for 150 years for indigestion.

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Something more persuasive.

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An advance in coal tar therapy.

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Selected preparations for injection.

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"QUINOLOR"

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Compound Ointment

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The word "OXOID" is the trade mark of OXO Ltd., and is used in connection with their therapeutical preparations both in tablet and fluid extract form.

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For PERNICIOUS ANÆMIA

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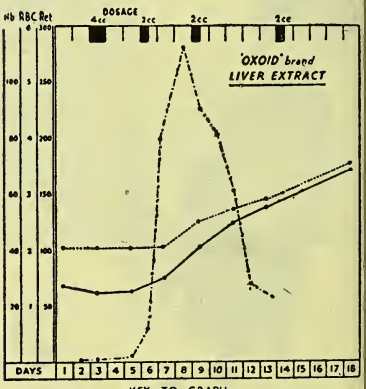
LIVER EXTRACT

FOR INJECTION (I.M.)

A highly potent preparation for the treatment of pernicious anæmia.

Dosage in emergency cases is 4 c.c. Initial dose, followed by 2 c.c. at three days intervals in the first week and 2 c.c. at weekly intervals subsequently. This will usually raise the blood count to normal in a few weeks.

Maintenance dose: 2 c.c. monthly.



KEY TO GRAPH

..... Haemoglobin per cent ——— Red blood corpuscles in millions

-.-.- Reticulocytes per 100 red cells

Supplied in ampoules of 2 c.c. & Bottles of 10 c.c. & 20 c.c.

Ampoules: 6 (6/6); 12 (12/6); 50 (48/-); 100 (92/-)

Bottles: 10 c.c. (4/9); 20 c.c. (8/6)

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CHEMIST AND DRUGGIST

For RETAILER — WHOLESALER — MANUFACTURER

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NEWS OF THE WEEK

Leverkusen Bombed Again.—Leverkusen, adquarters of the Bayer organisation, the armaceutical department of I. G. Farbendustrie, was bombed by the Royal Air orce on the night of November 19. At is plant are produced explosives, synetic petrol, and raw materials for gas arfare.

Extension of Export Control.—Under the xport of Goods Control (No. 9) Order, 43 (S. R. & O., No. 1636), which comes to force immediately, Kuwait, Bahrein lands and Muscat are added to the list countries and territories to which the port of all goods is controlled. Copies of e Order will shortly be available.

U.N.R.R.A. Medical Plans.—The chairan of a health and medical facilities bcommittee of the United Nations' elief and Rehabilitation Administration ated recently that the Administration pects to establish an Allied medical High Command" to deal with epidemics occupied countries in both Europe and e Far East.

Private Employment Exchanges.—Mr. Ernest Bevin (Minister of Labour and National Service), stated recently to the Association of British Chambers of Commerce that it was no part of his plans to give a legal monopoly to the Appointments Department of the Ministry.

National Milk Cocoa.—The Ministry of Food has recently introduced a new beverage called "National Milk Cocoa"; it consists of 70 per cent. spray-processed milk, 16 per cent. sugar, and 14 per cent. cocoa, and is intended for adolescent workers in industry. It will be available through factory canteens.

Sweet Prices Controlled in Eire.—The Eire Minister for Supplies has made an Order controlling the prices of sweets and chocolates. Sugar confectionery of a medical nature and marked "medicated" is exempted. Under the provisions of the Order manufacturers must fix maximum retail prices and assign a price mark on all goods covered by the Order. Wholesalers must show the prescribed price on the label.

Veterinarian's Talk at Hull.—At a meeting of the Hull Chemists' Association and Branch, recently, a talk on "Modern Developments in Veterinary Practice" was given by Mr. A. Weighton, M.R.C.V.S. A vote of thanks was moved by Mr. C. B. Holliday and seconded by Mr. N. Harrison.

Razor-blade "Racket" Charges.—Efforts are being made by the North Midland Region Price Regulation Committee to stamp out what the secretary of the Committee has called "a vicious razor-blade ring and ramp." The less reputable retailers and hawkers are accused of buying up quantities of cheap razor blades from unknown suppliers and of selling, at fourpence each, blades which should be sold at not more than 1¼d. each.

British Colour Makers' Association.—The officers and council of the Association for the year are: *Chairman*, Mr. J. Crombie (James Anderson & Co. (Colours), Ltd.); *Vice-chairman*, Mr. J. B. Dunn (Champion, Druce & Co., Ltd.); *Treasurer*, Mr. C. G. A. Cowan (Cowan Brothers (Stratford), Ltd.); *Council*, Messrs. K. Burrell, J. Crombie, J. B. Dunn, A. H. Orchard, H. Ralph, T. Taylor, and H. A. Wilson. *Secretary*, Mr. Allan J. Holden, B.Sc., F.I.C.

In the Courts.—At Liverpool, on November 8, Francis Nicholas, a native of Ceylon, and Mohammed Ben Boujema, a native of Casablanca, were acquitted on charges of being in possession of Indian hemp. Cigarettes believed to contain the drug were found, on analysis, to have none in their composition.—At Liverpool Police Court, on November 9, George Wilkinson, described as a ship's dispenser, was fined £15 for fraudulently attempting to evade Customs Duty on cigarettes, tobacco and cigars.

Bath Branch Annual Meeting.—At the annual meeting of the Bath Branch of the Pharmaceutical Society on November 17, the following officers were elected for the year: *President*, Mr. H. Doble; *Vice-president*, Mr. Lionel Williams; *Treasurer*, Mr. R. H. Moore; *Secretary*, Mr. W. J. Hallett. The existing committee was re-elected *en bloc*. The treasurer reported a satisfactory balance. The secretary briefly surveyed the work of the session, which showed that the local organisations of pharmacy had been maintained. He also mentioned that it was forty years since he had first been appointed local secretary, and during the whole of that period he had held one or other of the offices. A discussion arose over the *impasse* brought abou by the refusal of the Insurance Com mittee to allow the chemists to close thei establishments at 6 p.m., on provision o a rota for the hour from 6 to 7 p.m.; th Pharmaceutical Committee is meetin shortly to deal with the situation.

Blackcurrant Syrup and Purée.—Th Ministry of Food announces that arrange ments similar to last year have been mad for the provision of blackcurrant syrup an purée for sale, through retail chemists, fo children, invalids and persons in need o additional vitamin C. The Ministry intend the word "children" to have a wid application and to include all children u to sixteen years of age. The manufacture and the National Pharmaceutical Unio are co-operating with the Ministry so as t ensure that these products are sold only t the above-mentioned classes of consume and the Ministry appreciates the publ

ARTIFICIAL LIMBS IN THE MAKING.—Members Allied Ex-Servicemen's Committee watch artificial lim being made at factory attached to the Queen Mar Hospital, Roehampton. Many of the workers in t factory have artificial limbs themselves.

pirit of the chemists. The vitamin-C con-ent will be the same as last year, the syrup ontaining not less than 20 mgm. of vitamin per fluid oz., and the puree not less than 4 mgm. per fluid oz. The total supply will ontain as much vitamin C as 4,000 to ,000 tons of fresh oranges. The retail rices of syrup will be 2s. 3d. for a 13½-oz. r 2s. 1d. for a 12-oz. bottle; purée, 1s. 1d. or a 9-oz. tin. The bottles contain about wo weeks' supply and the tins one week's. Both syrup and purée will be sold under the nanufacturers' names, but will bear labels pproved by the Ministry of Food and Ministry of Health, indicating the classes f person (as above) to whom alone they nay be sold, the price, and the minimum itamin-C content. Retail chemists are eing informed by the N.P.U. of the terms f the labels so as to protect the public rom undesirable imitation.

Three Papers at Glasgow.—A meeting of he Glasgow and South-western Scottish Branch of the Pharmaceutical Society was eld in Glasgow on November 10, the presi-ent (Mr. David Gemmell) in the chair. Applause greeted the president's announce-nent that Mr. A. B. Gilmour was ominated for a seat on the Council, various nembers expressing the view that Scotland vas not sufficiently represented. Mr. D. H. O. GEMMELL (Royal Technical College, Glasgow) read a paper on "Wool Alcohols nd the New Ointment Basis of the Sixth Addendum" (*see* p. 550). Messrs. Milne, Campbell, Officer, and A.B. Gilmour, Pro-essor J. P. Todd, and others took part in ubsequent discussion. Mr. G. R. MILNE also of the Royal Technical College, Glas-gow) followed with a paper on "Bacterio-static Substances from Biological Sources," n which he summarised recent work on penicillin and substances produced from moulds possessing antibacterial effects. Finally, Mr. R. McCRONE introduced a liscussion on "The Apprenticeship System," reminding members of their duty to train their apprentices. He declared that many apprentices were insufficiently trained, and claimed that no College course could take the place of practical experience. Holders of University degrees in pharmacy should not be granted such concessions as would imperil the standing and prestige of prac-tising pharmacists. PROFESSOR J. P. TODD, who followed, said the modern graduate in pharmacy spent four years in scientific training and men were being turned out who might alter the whole face of pharmacy. If such men were asked to spend three years in a retail business they would simply be lost to pharmacy. It might be worth while to lose something on the apprenticeship in order to gain something in prestige. There was more in pharmacy than retail work, and men of the "pure-science" type were needed for the higher branches. MR. T. GUTHRIE said that if such men were kept out, pharmacy would lose the kudos attach-ing to any discoveries they might make. They might form themselves into a class apart, and that would be regrettable. Mem-bers had to think what was best for the public and for their profession.

PARLIAMENTARY NEWS

Action to Stimulate Research.—A motion tabled in the House of Commons by about one hundred members of all parties urges the Government to take bold action to encourage scientific and technological train-ing, and to stimulate and co-ordinate research of all kinds as an aid to post-war reconstruction.

Surplus Goods and Factories.—Answering a question on the post-war disposal of sur-plus goods and factories, the president of the Board of Trade stated, on November 2, that the Government have decided that disposal shall be carried out, in each par-ticular case, through the agency of the department mainly concerned with the supply of the goods during the war. Before working out the plans for disposal, the Board of Trade, together with other responsible departments, will consult with represen-tatives of the producers and distributors concerned. The Government have further decided that the Board of Trade, through its Factory and Storage Control, shall co-ordinate the disposal of all surplus Govern-ment factories. With a view to decisions being taken as to the best use to which these can be put in the national interest, the Control will compile lists of factories and of applicants for them. The Government recognise the importance of reaching such decisions before the end of the war in as many cases as possible, but much must depend on the course of events, including future programmes of war production. Special attention will be paid to the release of factories urgently needed for peace-time production and to the possibility of con-verting into trading estates some of the premises no longer required for Govern-ment work. Answering a further question, Mr. Dalton said it was not ruled out that the Government would retain certain factories.

AMERICAN NOTES

Government Research Advocated.—Mr. Henry Wallace (Vice-president of the United States) stated recently that scientific research should not be left entirely to the big industrial firms who alone were capable of financing it. The Government should also conduct experiments and engage in research for the benefit of the smaller business concerns.

Patent Law Reforms.—A report on and suggestions for reforms in United States patent laws have recently been issued by a commission set up in 1941 by President Roosevelt. The Commission argues that the basic principles on which the patent law in the United States is at present founded should be preserved, but suggests methods by which abuses may be corrected. The worst abuse is considered to be "secret, improper and even illegal agreements," and the remedy put forward is to expose all such agreements, thus minimising the abuse and making it readily detectable. Legislation is recommended compelling the recording in the U.S. Patent Office of all agreements to which one of the parties is a citizen of a country foreign to the United States, and of all agreements, regardless of the citizenship of the parties, which include any restrictions as to price, quantity of production, geographical areas or fields of use. The Commission recommends an expansion of a system comparable to the "licences of right" of British patent law. In order to afford patent owners full opportunity of contacting and interesting manufacturers in their patents, it is proposed that a public register should be issued, at Government expense, of all such patents. No change is recommended in the time (seventeen years) during which a patent holds good, although certain modifications are suggested where there is unreasonable delay in prosecuting an application for a patent.

Cinchona Production Developments.—Cinchona bark is being imported in increasing quantities from South American sources, reports the Co-ordinator of Inter-American Affairs in the United States. In June, cinchona imports into the United States were double the average of the previous five months (actual statistics were not disclosed). Projects for the further development of cinchona cultivation include the preparation for distribution of 3,000,000 cinchona seedlings from a plantation at El Porvenir, Guatemala—the largest in the western Hemisphere. The June imports were derived from Bolivia, Peru, Ecuador, and Colombia with isolated shipments from other South and Central American nations. The El Porvenir plantation, with about 1,000 acres under cinchona, is estimated to have a capacity sufficient to supply a substantial proportion of United States quinine needs for a number of years if the trees were cut down. However, only excess trees are being weeded out, and seeds are being distributed from the plantation. A further 2,000,000 cinchona seeds brought out of the Philippines by Colonel Arthur F. Fischer are also being distributed. Of these, 200,000 have been planted at the Beltsville, Maryland, station of the United States Department of Agriculture. The remainder of the Philippine seeds are expected to go into Costa Rica nurseries under an arrangement with the Costa Rica Government. Work is also progressing on a long-term cinchona plantation established near Tingo Maria, Peru, east of the Andes. A proportion of the present supplies is coming from bark of the wild cinchona trees in Peru.

U.S. Army Cosmetic Purchases.—Concern is being expressed in retail drug circles in the United States at the purchase by the Quartermaster's Corps of the United States Army of quantities of drug and cosmetic items at prices lower than those charged by the manufacturers to chain drug stores. Until recently wholesale prices were paid by the Army authorities for this class of merchandise, but now the chain pharmacies are alarmed lest quantities of goods should be "dumped" on the general market when the war ends. It is urged that retailers will have difficulty in convincing a soldier who has been buying a certain brand of razor blades at, say, 5d., that he should pay the customary retail price of 1s. Recent heavy purchases by the Army are said to include nationally-known dental and shaving creams, and although many of these have been given special labels, it is stated that they are easily identifiable with the standard brands. The secretary of the National Association of Chain Drug Stores stated recently: "I think it is perfectly right for the Government to make it possible for our Armed Forces to purchase the best available merchandise at prices from which have been eliminated the costs of advertising and distribution, but this could have been done without using the manufacturer's brand name." He had been unable to ascertain whether the manufacturers entered into the arrangements willingly. A committee has been formed to study the situation.

TOPICAL REFLECTIONS

Turned Down

Once more the Council of the Pharmaceutical Society has had its representations on the improvement of dispensing and the supply of medicines in the Army turned down by the Army Council (pp. 517, 519). An adequate summary of the history of this subject would fill several pages of THE CHEMIST AND DRUGGIST, and is impracticable in present conditions of paper supply. Before me as I write are your reports of discussions at the Council meetings of the Society held on April 5, 1922, and March 7, 1923, on both of which occasions strong disapproval of the Army Council's *non possumus* was expressed by several speakers. A report presented to the Society's Council on the earlier of these dates relates the course of negotiations from August 2, 1917, to the then recent submission of a report to the Army Council. It was stated at that meeting that the Society's representatives on the committee responsible for the report, Sir William Glyn-Jones, Mr. E. Saville Peck and Mr. Edmund White, had done "a tremendous amount of work": if I am not mistaken, all three had "put in overtime" regardless of personal convenience. At the March 1923 meeting Sir William advised the Council "to insist on a public investigation, unless the Government had a better answer to their demand." Yet in 1943 this body seems to be wandering in the same wilderness as in 1923, or in one indistinguishable from it. As you have indicated, the Society's latest memorandum contained too many words and insufficient "punch"; but in any case it appears that the Army Council, like the Bourbons of legend, has learned nothing and forgotten nothing. If the matter is raised in Parliament, references to the status and prestige of pharmacists will, I trust, be suppressed, and attention concentrated on obtaining as good a service for men in the Army as civilians themselves receive.

Epidemics

Addressing Hull pharmacists recently, Dr. N. Gebbie mentioned "the end of the eighteenth century" as the period when inquiries into the causes of diseases and epidemics began (p. 506). A chapter of profound interest in the history of medicine is concerned with this development. Earlier in the same century, as Dr. Charles Singer pointed out in your issue of June 27, 1931, the only sections of the community in which scientific medical principles could be applied directly on a large scale were the Forces of the Crown. Sir John Pringle, who had extensive military experience and became president of the Royal Society, was a pioneer in this work; among other reforms he made rules for hygienic conditions in camps. The extension to civilians of what may be called mass observation of diseases is closely connected with the increase in the number and population of towns, a feature conditioned by the growing use of mechanical power. On balance, the widespread movement of workers from agricultural to manufacturing pursuits improved their chances of life: they exchanged the conditions of exposure to the hazards of rural housing and rough weather for a minimum standard of shelter and greater accessibility of medical treatment. Several cities obtained Acts of Parliament enabling them to introduce better draining, lighting and so forth. Then came the study of diseases likely to involve a high death rate: plague, smallpox and diphtheria are examples. Material was gradually assembled.

Dyewoods

Ruby wood, the subject of a question on p. 511, is esteemed by natives in Southern India for making temple pillars and for other purposes. In the Middle Ages it was used for colouring articles of food, and was supposed to possess medicinal properties. Certain entries in the Calendar of State Papers suggest that as a dyewood it was in competition with madder, which, probably because it was grown in this country, was given preference in commerce. A similar remark applies to logwood, another imported article. References in the Calendar during a somewhat later period, 1620–26, show "the false and deceivable dye called logwood" in an unfavourable light. Thus, in 1620 its general importation was prohibited, though Sir Thomas Compton was allowed to bring in fifty tons annually, on condition that only "mean" commodities were dyed with it and that the names of purchasers were registered. In 1626 James Ireland applied for permission to unload and re-export eighty tons of this wood which, not knowing its importation was prohibited, he had taken in satisfaction of a "desperate" debt. A year earlier a patent for the sole cultivation of madder in England was granted to William Shipman. For this monopoly he had to pay a sum equal to the customs duties on imported madder. ***Xrayser***

LEGAL REPORTS

Failure to Demand Invoices.—At Liverpool Assizes, on November 18, George Leonard Greet, Sparkenhoe Street, Leicester, said to be a naval absentee, was sentenced to four weeks' imprisonment after pleading guilty on charges of failing to demand invoices for 70 gross of hair grips and 20 gross of razor blades, bought by him in the course of business. His pleas of not guilty on charges of conspiracy and of receiving blades, knowing them to have been stolen, were accepted.

Pharmacy Act Fine.—At Hamilton, Lanarks, recently, Elizabeth Meikle Bruce, a director of E. & M. Bruce, Ltd., 138 Union Street, Larkhall, was fined £10 for offences under the Pharmacy Acts. The prosecution alleged that an inspector of the Pharmaceutical Society went into the shop on September 6 and purchased a bottle of camphorated oil and a box of Alophen pills. The label on the oil bottle described the company as "dispensing chemists" when, in fact, they were not registered as such.

Razor-blade Transactions.—At Liverpool Assizes, on November 18, Joseph O'Loughlin, dock labourer, Birkenhead, was sentenced to ten months' imprisonment on charges of receiving 20,000 razor blades, the property of the Government, knowing them to have been stolen. The blades formed part of a consignment of 43,000 intended for the Forces overseas, but stolen from Birkenhead dock in June. O'Loughlin and another man attempted to sell 20,000 blades to a Liverpool chemist who, on seeing that some of the packages were marked "Export," communicated with the police.

Breaches of Price-control Regulations.—Fines totalling £200 and a sentence of four weeks' imprisonment were imposed at Liverpool Assizes, on November 18, on Reginald David Bascombe, shopkeeper, Smithdown Road, Liverpool, for breaches of the price-control regulations relating to cosmetics and other articles. Bascombe pleaded guilty to charges of aiding and abetting Frederick Joseph Mulholland (see *C. & D.*, November 20, p. 508) in the sale to Bascombe of four gross mascara, four gross lipsticks, two gross eyebrow pencils, and twelve gross hair grips, at prices exceeding those permitted; in the resale of these goods otherwise than by retail; and in the supplying of the goods, as well as of 420 bottles of perfume and one doz. boxes of rouge, without labels bearing the name and address of the manufacturer.

COMPANY NEWS

Woodlands Chemists (Leeds), Lti (P.C.).—Capital £2,000. Wholesale or r tail chemists, etc. Directors not name R.O.: Trinity Court, Leeds, 1.

Ainco (Manufacturing Chemists), Lti (P.C.).—Capital £1,000. Wholesale or r tail chemists, opticians, etc. Hugh Moo and B. Clucas, directors. R.O.: 536 Presc Road, Liverpool, 13.

Harry S. Rogers, Ltd.—(P.C.).—C pital £100. Wholesale and retail merchan and manufacturers of textile and rubb goods, medicines, soap, oils, etc. Micha Lovitt and Wilfred G. Endell, director R.O.: 16–17 Devonshire Square, Londo E.C.2.

Tonco Mineral Waters, Ltd.—(P.C. —Capital £1,000. To acquire the busine of a mineral water manufacturer carrie on at Rotherham by Benjamin Badge B. and Ethel V. Badger, directors. R.O Phoenix Works, Back of 236 Effingha Street, Rotherham.

Stet Chemical Products, Ltd. (P.C.).- Capital £100. Manufacturers of and deale in starch, starch substitutes, chemica cleansing and bleaching products, toil requisites, etc. Directors to be appointe Solicitors: Fletcher & Co., 13 Bloomsbu Square, London, W.C.1.

Allen & Hanburys, Ltd.—Director report for year ended June 30 shows a pro of £266,860, from which is deducted £5,15 for interest on debentures and loans an £215,000 for provision for taxation. Balan brought forward from last year is £38,79 bringing total to £85,500. From this su is deducted £20,750 for interim dividen paid for half-year ended December 3 1942, leaving £64,750. The directors recon mend that this sum should be appropriate as follows: Final dividends on 6 per cen preference and 7 and 8 per cent. preferre ordinary shares, £15,750; final dividend 2s. per share on ordinary shares, £10,06 carried forward, £38,940. Report stat that, notwithstanding restriction in expo sales due to circumstances outside con pany's control, total trading for the ye constitutes a record in the long history the company. Messrs. F. W. Gamble an John C. Hanbury retire by rotation an being eligible, offer themselves for r election. Mr. C. W. Maplethorpe, electe to the Board since the last meeting, als offers himself for re-election.

AMENDMENTS TO THE PHARMACOPŒIA

E General Medical Council has given ice, as required by the Medical Council , 1862, of the following alterations in amendments to the British Pharmaœia, 1932:—

ONFECTIO SULPHURIS.—The tincture of nge may be omitted.

XTRACTUM COLCHICI CORMI LIQUIDUM (Ext. Colch. Corm. Liq.)

Liquid Extract of Colchicum Corm

Liquid Extract of Colchicum Corm conns 0·3 per cent. w/v of colchicine (limits, 7 to 0·33).

olchicum Corm, dried in *moderately fine powder* . 1000 grammes
lcohol (60 per cent.) a sufficient quantity
xhaust the Colchicum Corm, by percolation h Alcohol (60 per cent.), reserving the first millilitres of the percolate. Remove the hol from the remainder of the percolate, evaporate the residue to a soft extract ler reduced pressure at a temperature not eeding 60°. Dissolve the extract in the erved liquid. Determine the proportion of chicine in the liquid, thus obtained, by the say described below. To the remainder of liquid add sufficient Alcohol (60 per cent.) produce a Liquid Extract of Colchicum m of the required strength. Set aside for less than twenty-four hours; filter, if essary.

Assay.—Evaporate 20 millilitres to dryness a water-bath, and complete the Assay as ected under "Colchici Semen" commencing h the words "wash the residue into a arator with 20 millilitres of a 20 per cent. aqueous solution of *sodium sulphate* . . ." l including the modification described under olchici Cormus."

Preparation: Tinctura Colchici.

DOSES

Metric	*Imperial*
0·12 to 0·3 mils.	2 to 5 minims.

Liquid Extract of Colchicum Corm contains 0·3 mils. 0·0009 gramme, and in 5 minims out 1/70 grain, of colchicine.

EXTRACTUM COLCHICI LIQUIDUM.—When quid Extract of Colchicum is prescribed, demanded, Liquid Extract of Colchicum rm may be dispensed, or supplied.

MISTURA SENNAE COMPOSITA.—Aromatic lution of Ammonia may be used in place Aromatic Spirit of Ammonia, and a mixre of one part of Concentrated Compound ncture of Cardamom and three volumes water may be used in place of Compound ncture of Cardamom, in making this ixture.

PARAFFINUM LIQUIDUM.—The requirent "remains clear when dried, cooled to O° and kept at that temperature for four hours (limit of solid paraffins)" is deleted.

TINCTURA COLCHICI.—Liquid Extract of Colchicum Corm may be used in place of Liquid Extract of Colchicum, in making this Tincture.

TROCHISCI.—A mixture of one volume of Concentrated Tincture of Tolu and three volumes of water may be used in place of Tincture of Tolu, in making Lozenges.

INSURANCE ACT DISPENSING

Ayrshire.—During the first six months of the year the cost of prescriptions in the Insurance Committee's area was approximately £5,858, plus £239 for purchase tax. For the corresponding period of 1942 the cost of prescriptions (without purchase tax) was £5,035. At January 1 there were 93,592 insured persons in the area, more than 7,000 above the pre-war year.

Chester.—Prescriptions issued to insured persons by doctors and dispensed by chemists in the Insurance Committee's area in 1942 totalled 74,301. £3,985 was paid to chemists, against £3,716 in the previous year. Of this figure £2,356 represented the cost of ingredients.

Oxford.—Members of the City Insurance Committee expressed concern at a recent meeting at the distances people in some parts of Oxford had to travel to get prescriptions made up, owing to the call-up of pharmacists. It was decided to inform the Central Pharmaceutical War Committee that it views with alarm that Committee's over-ruling of the local committee.

Portsmouth.—At a meeting of the Insurance Committee on October 27, Mr. F. H. Ruoff, M.P.S., said that the local pharmaceutical war committee was watching the position arising from the call-up of pharmacists and dispensers. Deferments of men between thirty-five and forty were expiring, but there were about a dozen under thirty still left. It appeared that the hardships tribunal was exempting the younger men but not the older ones. At a recent check on insured persons in the city, the number registered totalled 73,751, against 92,000 in 1940.

Bomber Offensive.—Recent intensifications of the Royal Air Force heavy-bomber raids on Berlin and other targets necessitate greatly increased supplies of waste paper. Send yours for salvage now.

TRADE NOTES

Agents Wanted for Seeds.—Samuel Yates, Shudehill, Manchester, 4, invites inquiries from chemists desirous of taking up an agency for Sym seeds.

War-time Laxative.—Cuxson, Gerrard & Co., Ltd., Oldbury, near Birmingham, announce that Regulol (war-time formula) is available in limited quantities.

Cornish China Clay.—The illustrations included in the article "The China Clay Industry" (*C. & D.*, November 20, p. 514) were from photographs kindly supplied by English Clays, Lovering, Pochin & Co., Ltd., St. Austell, Cornwall.

Correct Prices of Calox.—Complaints have been received by McKesson & Robbins, Ltd., 90–96 Cannon Street, London, E.C.4, from members of the public that some retailers have inadvertently been overcharging for Calox tooth-powder. The current retail prices are on P.A.T.A. terms, as follows: New sprinkler can, 1s. 10d., including tax; flat slip-lid tin, 11d. inclusive; handy and family sizes, unchanged.

Economy in Display.—On the inside back cover of this issue, Pharmaceutical Specialities (May & Baker), Ltd., have an attractive two-colour advertisement for Planacrine antiseptic throat lozenges now manufactured to an improved formula from which chocolate has been omitted. Chemists who take advantage of the suggestion at the foot of the advertisement to use it as a showcard should be well repaid for their trouble in displaying it.

A Pioneer in Tablet Machines.—Mr. J. F. Buckley (Buckley-Bowker Tablet Co., Ltd., 29 Parkfield Street, Islington, London, N.1, writing on "One Hundred Years of Tablets (*C. & D.*, November 13, p. 496), points out that he has for fifty years been engaged in pioneer work on tablet-compressing machines. Mr. Buckley claims, in fact, that he was the original manufacturer of tablet machines in this country. In 1901 he took out a patent for a single-punch hand compressing machine suitable for small manufacturers, and the machine, many examples of which are in use today, was exhibited at the first Chemists' Exhibition held at the Palladium Theatre, London, in 1902. In 1902 he took out a patent for a double-acting rotary tablet-compressing machine. Mr. Buckley was also the author of an article on "The Evolution of the Modern Tablet-machine," which appeared in THE CHEMIST AND DRUGGIST, March 13, 1909.

Sale Restricted to Veterinary Surgeons.—The British Drug Houses, Ltd., Graha Street, City Road, London, N.1, announ that they have decided to restrict the u of the special veterinary packings of certa of their products to veterinary surgeo only. The preparations affected are certa sex hormone and chemotherapeutic pr ducts, of such a nature that they should b administered only by or under the supe vision of a veterinary surgeon, eith because of their potent properties or becau a proper diagnosis must be made befo they can be correctly employed. Whe ordered by a veterinary surgeon from pharmacist, the preparations will be di patched direct but invoiced through t pharmacist at the normal trade discount.

Business Changes

MISS M. MORRISON, Ph.C., has acquir the pharmacy at 67 High Street, Burnti kand, Fife, formerly carried on by the la Mr. James Bisset.

BANNERS PURE DRUG CO., LTD., ha applied to the Price Regulation Committ (North-West Region) for a licence und the Location of Retail Businesses Orde 1942, to transfer their retail business fro 62 to 91 Byrom Street, Liverpool, 3.

THE BRITISH ALUMINIUM CO., LTD., a removing their temporary head office, November 29, to Salisbury House, Lond Wall, London, E.C.2 (entrance from Circ Place). Telegraphic address: "Cryolit Ave., London." Telephone: CLERkenw 3494 (private branch exchange). From t same date, the offices at Shrewsbur Shropshire, and at Marlborough Court, Pall Mall, S.W.1, will be closed. Oth addresses are unchanged.

Proprietary Articles Trade Associatio

Alterations to Protected List.—*E. C. De W & Co., Ltd.* De Witt's antacid powder. A n 5-oz. size will be introduced on January 1, 194 to replace existing 3¾-oz. size, which will withdrawn: 18s. doz., tax 3s. doz., inclusi retail price 2s. 3d.; £5 orders, 17s. 6d. do £10 orders, 17s. doz.; £20 orders, 16s. 6d. do less 2½ per cent. for cash in ten days. Pric and terms for Northern Ireland, 18s. doz., t 3s. doz., i.r.p. 2s. 3d.; £5 orders less 5 per cen £10 orders less 7½ per cent.; £20 orders le 10 per cent.; further 2½ per cent. for cash ten days. De Witt's pills, 1s. 3d. size will withdrawn from sale in Great Britain December 31; it will continue on sale Northern Ireland and Eire.

PERSONALITIES

SIR ERNEST GRAHAM-LITTLE, M.P., has en elected chairman of the Council for xternal Students of the University of ondon.

ALDERMAN D. J. BAILEY, J.P., M.P.S., s been re-elected chairman of Blackpool surance Committee for the sixth succssive year.

SIR EDWARD CAMPBELL, Bart., M.P., s been appointed Parliamentary Private cretary to the Minister of Health (Mr. enry Willink).

MR. W. COLLISON, managing director of . Blythe & Co., chemical manufacturers, urch, Lancs, has subscribed £105 to the ayor of Accrington's Red Cross Fund.

MR. NORMAN MARSH, M.P.S., A.I.C., oratory manager of Ayrton, Saunders Co., Ltd., manufacturing chemists, Liverol, has been elected a Fellow of the Royal stitute of Chemistry.

COUNCILLOR RICHARD CLITHEROW, M.P.S., ho recently resigned from the Conservative rty, is to be the Labour candidate for e Fairfield Ward in the next municipal ction in Liverpool.

MR. LEONARD WHITNEY, M.P.S., 102 alifax Road, Brierfield, Burnley, is appearg with the Manchester Repertory Comany in "The Barretts of Wimpole Street" Burnley Palace Theatre.

PROFESSOR A. D. MACDONALD, professor pharmacology at Manchester University, as arrived in the United States on a sixonths' visit for the purpose of correlating e medical research work of Great Britain d America.

COUNCILLOR C. F. LOFTHOUSE, a director James Lofthouse & Co., Ltd., chemists, 3 Lord Street, Fleetwood, has been ected to the Lancashire County Council. or some years past he has served on the cal town council.

MR. RUSSELL JOHN REYNOLDS, C.B.E., .R.C.P., M.B., M.I.E.E., has been apointed Honorary *X*-ray Consultant to e Directorate of Medical Supplies. He ill deal with the production of *x*-ray pparatus for medical and industrial use.

FLIGHT-SERGEANT GERALD MCCLELLAND, .A.F., Ballymoney, co. Antrim, who has een awarded the Distinguished Flying Iedal, was, prior to his enlistment in 1941, t the age of eighteen, an assistant with Ir. H. Campbell, Ph.C., Church Street, Ballymoney.

COUNCILLOR W. W. COCKER, J.P., Accrington, proprietor of the Cocker Chemical Works, Oswaldtwistle, has sent a second donation of £700 to the Y.M.C.A. War Service Fund.

MR. H. T. DOBLE, the newly elected president of the Bath Branch of the Pharmaceutical Society, served his apprenticeship with his father, Mr. A. G. Doble, M.P.S., The Widcombe Pharmacy, Bath. He studied at the Merchant Venturers' College, Bristol, and qualified in October, 1935. After experience in Wales and the Midlands, he went into partnership with his father as A. G. Doble & Son until early in the current year, when his father retired and he assumed sole proprietorship of the business.

Mr. H. T. Doble

DR. DAVID JAMES ROBERTS, Chief Inspector to the Welsh Board of Health, has been appointed principal officer to the Welsh Regional Commissioners for Civil Defence.

MR. H. HUMPHREYS JONES, Ph.C., principal of the Liverpool School of Pharmacy, contributed a letter to the "Daily Dispatch," Manchester, recently, in which he pointed out that in normal years the County of Lancashire provided over 160 pharmacists annually.

MR. JAMES G. COLEMAN, M.P.S.I., has been elected secretary of the Association of Ophthalmic Opticians, Ireland. Mr. Coleman is lecturer in physical and visual optics at the Institute of Science and Technology, Kevin Street, Dublin, and principal of the Dublin College of Optics.

MR. R. CAMPBELL FEATHER, M.A., B.Sc., managing director, Meggeson & Co., Ltd., manufacturing chemists, Bermondsey, London, S.E.16, who has taken a leading part in reviving the Twickenham Musical Society, presided at a meeting held at Twickenham recently, at which it was decided to re-start rehearsals in the New Year.

BIRTHS

BAILLIE.—On November 16, the wife of J. K. Baillie (Northern representative for Stafford Allen & Sons, Ltd., London), 54 Crumpsall Lane, Manchester, 8, of a son.

REID.—At 4 Holyoake Court, Ealing, London, W.5, on November 11, Edna, the wife of James G. Reid, M.P.S., of a daughter.

DEATHS

ALLISON.—Recently, Mr. Henry Allison, J.P., 294 Skellingthorpe Road, Lincoln. Mr. Allison qualified in 1890. He was formerly in business in Lincoln, where he was a City Councillor, an official of the local Liberal Association, a founder of the Society of Yorkshiremen in Lincoln, and a keen sportsman.

BEATTIE.—At Wood Green, London, N.22, on November 19, Mr. James Beattie, M.P.S., 179 Alexandra Park Road, N.22. For thirty-one years Mr. Beattie represented A. Wander, Ltd., in London and the Midlands. He served his apprenticeship with Mr. W. M. Alexander, Kelso, and qualified in 1910.

Sir Harry Hague writes: "The many friends of Mr. Beattie will hear of his death with great regret. He was a man whose qualities would have been outstanding at any time. In this suffering age they were of special value. He radiated cheerfulness, and wherever he went he imparted a feeling of pleasure and happiness. His many friends throughout the trade will recall with pleasure his many visits on behalf of A. Wander, Ltd., whom he represented with such outstanding ability for a period of thirty-one years. He possessed, in a rare degree, qualities of loyalty and service, coloured with a wonderful sense of humour. We associated with him have lost a colleague and great friend, but we retain a host of happy memories which will always inspire us."

DOUTHWAITE.—At the Royal Northern Hospital, on November 16, after a very short illness, Mr. Henry L. Douthwaite, M.P.S., 34 Kildare Terrace, W.2, aged seventy-six. Mr. Henry Douthwaite was for twenty-five years in charge of the dispensary of John Barker & Co., Ltd., Kensington, London, W.8, prior to which he was in business for himself in Westbourne Grove, W.2. He was apprenticed in Beverley, Yorkshire, and qualified in 1889. Mr. Douthwaite was highly esteemed by the chairman and board of the company, and commanded the greatest respect from members of the organisation, many of wh feel they have lost a trusted friend.

HEATH.—Recently, Mr. William Heat M.P.S. Mr. Heath's registered addre was 22 Osmaston Road, Derby. He qualifi in 1891.

McVITAE.—At Glasgow, on November 1 Mr. John Brough McVitae, M.P.S., Langside Place, Glasgow, S.1. Mr. McVit qualified in 1893.

ROBISON.—At Mullumbirnby, New Sou Wales, Australia, on October 1, Mr. Ebene Robison. Mr. Robison qualified as a chem and druggist in 1890.

SOUTHERDEN.—At 7 Elm Grove Ro Exeter, on November 13, after a lo illness, Mr. Frank Southerden, a direct and the secretary of Evans, Gadd & C Ltd., wholesale druggists, 6–11 Smyth Street, Exeter, aged seventy. He was joint secretary of the Exeter Branch of t Pharmaceutical Society. For over twen years he had been a member of the coun of the Exeter Chamber of Commerce, which body he was chairman in 1926–2 He is survived by a widow and one son.

WALDON.—On November 11, at Wo side Cottage, Westward Ho, Mr. Jo Waldon, M.P.S., aged sixty-seven. M Waldon recently disposed of his pharma at Maybury, Woking, of which he had be proprietor for twenty years, retiring Bideford, his birthplace. He qualified 1899, took up an appointment with Con U'Ren & Son, Plymouth; and later ma aged the businesses of Ostler & Green, Lt Strood, Kent, and Milburn's, Whitefria gate, Hull. He leaves a widow, a son a a daughter.

WILSON.—In the Gosport Memorial H pital, recently, Mr. John Bertram Wils M.P.S., 95 North Street, Gosport, Han aged sixty.

RECENT WILLS

MR. FRANK MIDGLEY, M.P.S., 306 Ki stall Road, Leeds, who died on May last, left £5,019, with net personalty £3,22

MR. REGINALD DANIEL, Hazelbro Duffield, Derbyshire, governing direct of Richard Daniel & Son, Ltd., manufa turing chemists, Derby, who died on May left £36,384, with net personalty £31,97

MR. WILLIAM FREDERICK FOGART Clarendon Villa, College Hill, Steyni Sussex, late manager of the General Apoth caries Co., Ltd., London, who died Augu 5, left £6,445, with net personalty £5,43

PHARMACEUTICAL SOCIETY OF IRELAND

e Council of the Pharmaceutical Society Ireland met in Dublin on November 9, C. J. Cremen (president) in the chair. o present were Messrs. J. K. Whelehan, C. Cahill, P. Brooke-Kelly, T. C. Scott, J. Fitzpatrick, J. Gleeson, J. P. Kissane, G. Cunningham, T. B. O'Sullivan, and R. Lester; Sir T. Robinson; and Messrs. MacSweeny, M. Costelloe, P. A. Brady, P. Corrigan, M. J. Kieran, J. A. O'Rourke Miss F. M. Flood.

t President's Badge

HE PRESIDENT, in presenting the past-sident's badge to Mr. Gleeson, expressed Council's and his own deep appreciation he courteous way in which Mr. Gleeson conducted the affairs of the Society ing his term of office. Members of the ncil appreciated what he had done for rmacy, and the fact that their members ughout the country felt the same was onstrated by his fine poll in the recent tion. He hoped Mr. Gleeson would long spared to help the Society in deciding rmaceutical policy. (Applause.)

MR. GLEESON, replying, said he wished thank his colleagues very much for the lica of the presidential badge and the d things they had said about him. They effectively magnified his merits and rlooked his shortcomings. The badge uld always be a pleasant reminder of a py year of office made possible by the tinted goodwill, loyalty, and co-opera-n of the members of the Council, and by great help and useful advice the Regis-r had so freely given him. He should like to express his appreciation of the p the new president had given him from vice-chair. The best thing he could h the president was that he would re-ve the same co-operation and goodwill himself had had the good fortune to eive.

gality of a Donation

Mr. John J. Tierney (treasurer of the emists' Rugby Club) wrote: "I am ected by my committee to apply to the uncil of the Pharmaceutical Society of land for a subscription to the Club funds, d to draw the attention of the Council the fact that the Club is composed almost clusively of students and licentiates of Society. My Committee feel that it is t unduly importunate in asking the uncil for a subscription, having regard the work which the Club is doing in providing some organised recreational facilities for the Society's students."

MR. CAHILL said that, strictly speaking, they had no right to respond to an appeal of this kind, as the funds of the Society were to be devoted solely to furtherance of the purposes of the Society under the Act, but he would be slow to turn down the application. He was not a keen advocate of Rugby football, but this was something in the way of providing reasonable recreational facilities for the students which he thought the Council should not turn down.

MR. O'ROURKE thought they could argue that the existence of the Club was necessary for the good health of the students. Alternatively they could allow the members of the Council their expenses, and let the members devote them to the Club.

MR. FITZPATRICK said that was an excellent suggestion. If the country members of the Council gave their expenses as subscriptions that would get over the difficulty.

MR. O'ROURKE said he meant the expenses of members living in Dublin and the county.

MR. COSTELLOE expressed the view that there was nothing illegal in giving a subscription to a body of chemist students. They conducted schools, and, if the treasurer helped along their recreational facilities, he saw nothing that could be objected to. His only regret was that the existing premises were not sufficiently roomy to provide club accommodation for the chemist students. The gesture of a subscription would be helpful to the students.

THE PRESIDENT said that, if the students had such an organisation as a Students' Union, the Council could deal with them direct. He was not conversant with the Club, but was sure it was in order. If they acceded to the request, the trouble would be applications from other people.

MR. COSTELLOE said that at the moment a ladies' camogie team was being formed. There was the possibility that they might have a series of applications from different bodies.

MR. KIERAN said they had no legal right to use the Society's funds for this purpose. They should have some fund for supporting activities of this kind.

THE REGISTRAR (Mr. J. J. Kerr) said he had had a discussion with Mr. Gaynor (Law Adviser), but Mr. Gaynor was not prepared to give an opinion without due consideration.

MR. WHELEHAN thought they were all in

favour of helping the Club, and he suggested members of the Council should subscribe five shillings each to make up a subscription.

THE PRESIDENT suggested that the matter should be left in the hands of the officers to discuss with their law adviser; this was agreed to.

Invitation to Church Service

A letter was read from the Very Rev. E. H. Lewis-Crosby (Dean of Christ Church, Dublin) inviting the Council to send representatives to a Citizenship Service to be held there on Sunday, November 14.

MR. O'ROURKE suggested that, while the Council officially could not be represented, owing to difficulties over religion, the Dean should have the courtesy of a reply. They could not attend as a corporate body, but any member of the Council who wished to attend could do so. The invitation was sent in a courteous spirit and they should meet it in that way.

THE REGISTRAR said he had already acknowledged the Dean's letter.

Valuation of Premises

The auditor to the Society forwarded a copy of the valuation of the Society's premises made by Mr. R. Donnelly, architect. Mr. Donnelly wrote: "This district has rather deteriorated on account of the great change in Mount Street in the way of conversions of a large proportion of the houses into tenements, and I am afraid that the deterioration will continue. Based on a poor law valuation of £57 10s. and a ground rent of £30, I would value the premises at £1,900 to £2,000."

MR. FITZPATRICK said he took strong exception to that part of the report in which the valuer spoke of the renovation of the porter's lodge. The lodge had not been renovated, but was built directly of bricks throughout, and under the supervision of an architect and the Pembroke Estate engineer. If the valuer's statement about the deterioration of the district was correct, they should look for a reduction in the valuation.

Membership and Registration

MR. A. H. STOREY, L.P.S.I., Kensington Hall, Knock, Belfast, wrote notifying change of address to 51 Knockvale Park, Knock, Belfast.

The following who submitted Matriculation certificates were granted Preliminary registration: Misses M. C. Coghlan, M. C. Lambert, M. A. McDermott, M. M. McGuinness, A. M. O'Connor, M. M. O'Halloran, A. M. O'Regan, M. B. O'Sullivan, and J. White; Messrs. E. A. Broe, J. P. M. Dolan, R. J. Drum, B. J. Feeney, C. P. Fleming, J. E. Giblin, T. D. Higgins, R. McAuliffe, J. Morgan, D. A. Sugrue, and M. B. Quinn.

The Reports of the House and Law Committees were submitted and approved

Day Classes in Pharmacy

The report of the Schools Committee contained a recommendation that day classes in pharmacy should be provided for January and April, "and such other classes as may be deem necessary."

THE REGISTRAR submitted a return, ask for by Mr. O'Rourke at the previous Coun meeting, giving details of the years of appre ticeship served by the students applying lectures. The return showed that 70·12 cent. or 115 of the students had complet their apprenticeship.

MR. O'ROURKE referred to a circular se out to the students asking the numbers p pared to attend day classes in pharmacy, a stating that the Council intended to hold th classes. In his view the circular anticipat the Council's decision, because no decision hold the classes had been taken at the previo meeting. The matter had merely been refer back to ascertain how many students w prepared to join such classes.

MR. KIERAN said the circular merely said t Council intended to hold the classes if sufficie students were available to attend them. H else could the circular be worded?

MISS FLOOD: We did intend at the l meeting to hold the classes.

MR. CAHILL: The phraseology of the circu may have been unfortunate, but I do not thi Mr. Kerr had any intention of anticipating Council.

Present Classes Too Large

MR. FITZPATRICK commented that the p sent pharmacy classes were too large, and same thing applied in botany and mate medica. Now they had 115 people anxious get into the classes.

THE PRESIDENT pointed out that the p posed day pharmacy classes were emerge classes for a limited time. The applications far received were twenty-six for one class a eighteen for another. They could probably one class, but not a second.

MR. O'ROURKE urged that they should lir the proposed classes to the year under revie namely, 1943–44. He moved as an amendme that these words should be added to the reco mendation.

A motion proposed by MR. CAHILL, second by MR. SCOTT, that the Schools Committe recommendation should be agreed to as it sto was carried by eighteen votes to one (M O'Rourke's).

The report of the Certificates and Decla tions Committee was submitted and approve The examiners to the Licence examination reported that twenty-five candidates had p sented themselves, of whom one passed wi honours and ten passed. No candidate fail in poison law. For the Assistants' examinati twenty-six candidates entered and thirte passed. THE REGISTRAR reported on the dea of Mr. W. S. Duggan, Ph.C. For the post examiner in pharmacy to the Licence examir tion, applications were received from Dr. J. Mackey, Dun Laoghaire; Mr. M. J. Mulrea Sligo; Dr. M. J. O'Callaghan and Mr. M. Sargent, both of Dublin. On a poll, Mr. M reany was elected the Society's examiner for t year ending November 1, 1944.

MR. LESTER moved, and MR. MCSWEE

nded, the adjourned notice of motion that pharmacy class of the Technical Schools, s, should be recognised by the Society, and the Council should accept the lectures held e, provided the conditions were in accord- with the regulations laid down by the ncil for such classes. Mr. Lester said it had e to his knowledge that a number of mem- on the Council were troubled with the that if the Cork schools were recognised, Society would have inquiries from technical ols all over the country asking to have r classes acknowledged also. If the Council e a rule that no school in a town or city r 40,000 inhabitants would be accepted, would get rid of a great deal of opposition.

R. FITZPATRICK said he was afraid Mr. er was out of order, since this was not part is notice of motion.

R. LESTER said he was aware of that, but tioned the matter for consideration. If the classes were recognised, it would relieve present congestion. The Technical School horities would not allow any one into the ses except those who had been registered the Society, and the numbers in a class ld not exceed twelve at a time. The school all the necessary apparatus, on which it spent about £200. Most of them had seen laboratory, which was very fine, and they greed that the teacher was qualified to do work. The work of supervision could be ied out by the Council. All the recom- dations put forward by the Society had adopted.

R. MCSWEENY said Mr. O'Rourke had ried at the previous meeting the appoint- t of the professor, but Mr. Lester's motion ed that the running of the classes would be pletely under the control of the Society. ually, the Cork Vocational Committee had prepared to give the Society the right of ination; but, even apart from the question control, if somebody was appointed as pro- or of whom the Council did not approve, y could always take away recognition of the ses. The only qualification necessary to h pharmacy was that of an M.P.S.I. Theo- cally, every M.P.S.I. should be in a position each pharmacy. It was a rule in the Cork ool to employ only a member of the Society.

iety Should Maintain Control

R. BROOKE-KELLY contended that, while jects like chemistry, botany, and materia lica might be recognised in schools outside Society, the teaching of pharmacy was a cialist subject like medicine and surgery. y might equally as well suggest that medical surgical schools established by any com- tee should be recognised as suggesting that outside committee could run pharmacy sses. He preferred to see pharmacy taught their own schools, where they would have a -to-day check of students' work.

R. FITZPATRICK said that the man in Cork s as much entitled to teach pharmacy as the iety's own professor. The question of super- ion had been mentioned, but that was only allacy. When he was president he had visited the classes two or three times a week, but that was not done after his time. He was not sure that the Cork chemists wanted the classes recognised at all. A great deal was bluff. Ten or twelve of the chemists he knew down there did not want the recognition.

MR. LESTER said they never had any opposition from Cork chemists to the proposal. Cork chemists came on a deputation to members of the Dail on this matter.

MR. FITZPATRICK: If you want to get this thing carried, I suggest you use the politicians, and the Vocational Committee will get this passed. From what I know of what is going on here, they are all against you.

MR. LESTER said that if the motion was rejected, the matter would not stop there.

MR. O'ROURKE said Mr. McSweeny had made the point that the Vocational Committee would be prepared to give the Society the right to appoint the teacher. He suggested they could not do that, since the appointment of the teachers in the Vocational Schools was the Vocational Committee's legal responsibility. Mr. McSweeny had also said that, if the Society was not satisfied with the teacher appointed, it could withdraw recognition of the classes, but a regulation of that kind could not be withdrawn without the permission of the Minister. In his view a mixed educational body of laymen were not the people to decide upon the qualifications of a man best fitted to teach pharmacy.

On a show of hands the motion was lost.

Renewal of 1908 Licences Opposed

MR. KISSANE moved "That the Council oppose the renewal of all 1908 licences as per paragraph eight, page 92, of the 'Acts regulating the Sale of Poisons and the Practice of Pharmacy.'" He urged that this was the only thing the Council could do until chemists got control. To his mind, the time was ripe for taking the action he suggested. Paragraph eight of the Act said: "The local authority, before granting a licence, shall take into consideration whether, in the neighbourhood where the applicant for the licence carries on or intends to carry on business, the reasonable requirements of the public with respect to the purchase of poisonous substances are satisfied." That paragraph definitely showed that the Act was only waiting for the time until chemists took over. Paragraph ten set out that the licence continued in force only for one year "and may be renewed from time to time, for one year at a time." That showed to his mind that the measure was merely temporary. The fee for renewal was 1s. 6d. It was ridiculous to suggest that a Government department would regard this as a proper fee if they wanted the provisions to remain in force. Again it struck him as ridiculous that a purchaser could go from one counter to another and buy a bottle of stout when buying poisons. This must lead to carelessness. The Act, he thought, provided for a separate counter for the sale of poisons, and a locked-up cupboard.

MR. COSTELLOE, seconding the motion, said that the Act was framed for the safety of the

public. It was time the Council acted in the matter.

SIR T. ROBINSON, supporting the motion, said he had always been opposed to the granting of the licences. The whole thing was a scandal. The licences were supposed to fill up gaps in parts of the country where chemists were not available, and had been granted wholesale. He knew many cases of people applying for licences who did not know what they were applying for, and yet got them. As Mr. Kissane had pointed out, the time had long passed when there was a case for granting such facilities. There was hardly a little hamlet in the country to-day but had a chemist's shop. It was difficult, however, to move in the matter unless they had a Bill in the Dail. The motion was only a pious hope unless this could be done. He suggested referring the matter to the Law Committee and to Mr. Kerr.

THE PRESIDENT said that was a very good suggestion. The Legal Adviser could be asked to attend to discuss the matter, and a report submitted from the Law Committee.

MR. GLEESON said he thoroughly agreed with the motion, but the difficulty was to carry out the suggestion. They would have to send a solicitor to the meetings of these licensing bodies to oppose the renewals. In 1941 they had sent out a warning to County Councils on this matter, and he wondered what results they had had from that.

THE REGISTRAR said the only acknowledgment they had had was from the Secretary of the Galway County Council, who stated that they gave licences only to people who carried out the law. An inspector who had been sent down to Galway found that that was not so.

MR. KISSANE said the licences were issu now as a matter of form, and were passed from father to son. The Act stipulated that local authority had to take into considerat whether the reasonable requirements of public with regard to the purchase of pois were satisfied. To his mind, all towns now h sufficient chemists to take over the sale of poisons affected, and it was on that basis brought forward the proposal in his motion.

MR. FITZPATRICK said the whole position w regard to the issue of the licences was so ri ulous that the Society's porter could get a lice to sell poisons in Clondalkin for a shilling.

THE REGISTRAR mentioned that he received a communication from the M Pharmaceutical Chemists' Association a fe night earlier saying, in effect, that poisons w being sold wholesale all over co. Mayo by sorts of hucksters. He had replied saying was no use writing him unless they could him where these people were, but he had no answer to his letter.

MR. KISSANE pointed out that there w county managers now, and they would more careful.

THE REGISTRAR said that he had prepa a map some time ago showing that there no need for the licences except in six place

MR. FITZPATRICK: And perhaps even t would not be required today.

MR. WHELEHAN said he had discussed matter with one county manager, who sympathetic, provided representations w made to him officially.

After some further discussion, Mr. Kiss agreed to have the motion referred to the I Committee for consideration.

ABERDEEN HONOURS MR. MELDRUM

PHARMACISTS in the Aberdeen area paid tribute to Mr. Adam A. Meldrum at a meeting of the North-east Scotland Branch of the Pharmaceutical Society at Aberdeen on November 17. Mr. Meldrum, the chairman of the Branch and president of the Aberdeen Pharmaceutical Association, was recently co-opted to the Council of the Pharmaceutical Society of Great Britain, and this was the first occasion on which an Aberdeen man has received such an appointment in the past forty years. To mark the occasion, tokens of the esteem in which Mr. Meldrum is held by his colleagues were presented to him by Mr. James Jack, Arbroath. "Mr. Meldrum joins the council at a difficult time," remarked Mr. Jack. "There are signs of a mighty upheaval in the health services of the country... To Mr. Meldrum we must look to secure that Scottish pharmacy is given that consideration which is due." It was Mr. Meldrum's express wish that any money collected for a presentation to him should be handed over to the Society's Benevolent Fund. Accordingly a cheque for £80, contributed by friends and colleagu was presented to the Fund by Mr. Jack

MR. MELDRUM, who also received travelling case and brief bag as a tangi token of their regard, thanked his leagues and expressed his pleasure at Benevolent Fund being associated w their testimonial. Tributes were also paid Mr. Meldrum at a dinner held by Branch. "The Pharmaceutical Societ was toasted by PROFESSOR DAVID CA BELL and replied to by DR. JOSEPH T. (resident secretary of the Society in Sc land). MR. W. T. ELDER proposed Meldrum's health and referred to his h qualities as a pharmacist. Other toa were "The Aberdeen Branch of the Ph maceutical Society" by MR. JOHN AND SON, Dundee, replied to by Mr. H. HU SON; "Our Guests," by MR. R. J. COW replied to by MESSRS. F. W. M. BENN and J. T. MCBRIDE; and "The Ladies," MR. E. FRASER BUCKIE, replied to by M. J. K. IRVINE, M.P.S. (a member of Society's council present from London).

ULSTER CHEMISTS' ASSOCIATION

RE was a large and representative ndance of city and country members e annual meeting of the Ulster Che- s' Association in Belfast on November Mr. P. R. W. Shinner (president), from hair, welcomed Mr. J. T. Nicholl, Ph.C. ident, Pharmaceutical Society of hern Ireland) and Mr. R. A. E. ions, who had been away ill.

utive Committee's Report

e report of the Executive Committee d that ten monthly meetings had been during the year. There had also been nent meetings of the Emergency mittee and various subcommittees, over 1,400 price changes and over notices on various matters had been to members. Membership had risen 459 to 467. The Committee placed on d its appreciation of the services of rs. James Macauley and J. C. Culbert, former members who had recently ed from business. Reference was also e to the deaths of Messrs. F. W. Dodds, ., Crumlin; W. E. Stevenson, Ph.C., agh Pharmacy, Belfast; S. J. Hudson, . (president of the Association in); and J. A. Walsh, Ph.C. In the early of the year a subcommittee had been inted to consider alterations to the , and to make provision for the intment of new trustees. The rules been entirely redrafted, and at a special ting held on April 21 the new draft , with minor alterations, had been ted. One of the trustees (Mr. W. E. on, Ph.C.) having been resident for e years outside Great Britain, it was that a trustee or trustees should be inted in his place. The necessary ments had been completed, and a aration of trust executed. The follow- members were re-elected to the mittee: Messrs. J. C. Acheson, H. P. sin, R. C. Jeffers, and John McDowell. new candidates (Messrs. R. Hall, gor, and E. A. Poots, Larne), who had nominated in accordance with the s, were duly elected. The report was pted on the motion of Mr. F. A. Fer- on, seconded by Mr. James McDowell. he financial statement, which was pted on the motion of Mr. W. J. Rankin asurer), showed an excess of income expenditure. The motion was se- ded by Mr. J. A. McRoberts and ported by Mr. Joseph Wellwood, h of whom referred to the excellent way in which the accounts were kept. Subscriptions to the Association were fixed at 35s. yearly (17s. 6d. for branch shops and for druggists) on the motion of Mr. Rankin, seconded by Mr. John Hall, Larne, who congratulated the Association on its year's work. The treasurer (Mr. Rankin) and auditors (Messrs. J. A. McRoberts and Joseph Wellwood) were thanked on the motion of Mr. Charles Abernethy, seconded by Mr. M. Hodes.

A notice of motion by the President that an associate group for pharmaceutical employees should be formed within the Association was agreed after debate.

Mr. Hodes, on a notice of motion, spoke of the necessity of combining all sections of the drug trade for social intercourse. Mr. Wellwood supported, and Mr. H. P. Crossin (vice-president and president-elect) promised that something would be done in the near future along the lines suggested. Mr. J. T. Nicholl (president, Pharmaceutical Society of Northern Ireland) mentioned that the pre-war social activities of the combined pharmaceutical organisations organised by the Benevolent Fund Committee to raise money for the Fund would not now, owing to the war, be profitable. Mr. Charles Abernethy (vice-president of the Society) recommended co-option of Mr. Hodes to that Committee.

Mr. Simmons, in returning thanks to Mr. Shinner for his welcome, said that members should take a high view of their profession. They should encourage families and friends to enter by making it more attractive. Mr. H. W. Boyd (Associate) promised the support of Associates. Mrs. E. H. Barr supported.

Belfast Closing Hours

Mr. Hodes raised the question of an absolute Early Closing Order for chemists in the city, and the President, in reply, stated: "The Ministry of Labour says every insured person has a right to get medicine at all reasonable times." Mr. J. Hall, Larne, said chemists in his town had adopted a rota system which had worked well in practice.

Mr. Nicholl proposed a vote of thanks to Mr. Shinner for his address; Mr. Hall seconded. A vote of thanks to Mr. McClenahan (secretary) and his assistant (Miss Bridgett) for services rendered was proposed by Mr. Simmons and seconded by Mr. Mervyn W. Henderson. Mr. McClenahan suitably replied.

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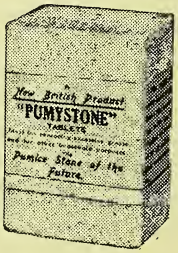

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icial organ of The Pharmaceutical Society of land, The Pharmaceutical Society of Northern land, The Chemists' and Druggists' Society of land and of other Chemists' Societies in the Empire

L. CXL NOVEMBER 27, 1943 NO. 3329

e fact that goods made of raw materials short supply owing to war conditions are vertised in this paper or described in its torial columns should not be taken as an lication that they are necessarily available export.

ecrecy in Bloomsbury Square

R readers have no doubt noticed the evity and formality of the proceedings the recent meeting of the Pharmatical Society's Council. The practice the Council in recent months has been compress the public business of its ednesday session into about half an hour less, and then to go into secret session so called "committee"). Shortly after e end of the last war the Council began meet in private on the Tuesday preceding ch monthly meeting, and to issue to the ess an official statement of such parts of e transactions as it wished to become own. This policy meant, in effect, that lf the monthly business of the Council s regarded as private—an arbitrary vision for which, so far as we are aware, e members of the Society have never en given a reason. Assuming, however, at this distinction between two kinds topics is in accordance with reality, ere remains a question to be asked about e further whittling down of the Wednesy proceedings. A review of the reports blished in THE CHEMIST AND DRUGGIST ring the present year, which have been l records of the public business transacted at the monthly meetings of the Council, reveals an almost complete absence of items of political importance to pharmacists, either in the form of discussion or decision.

Proceedings Purely Formal

Take, for instance, the Council meeting held in London on July 28 (*C. & D.*, July 31, p. 107). The whole public session was concluded in a matter of minutes, and the Press representatives were then requested to leave the meeting. As will be seen from our report, a paragraph of rather less than three and a half inches, the proceedings were purely formal and devoid of interest. Is it surprising, therefore, if the majority of ordinary members of the Society have long since lost all interest in their executive body? Is it possible that there is nothing pharmacists want to read about, month by month, beyond the mere record of elections, restorations, presentation of minutes, and occasional items of correspondence? In our issue of May 9 last year it was pointed out that in the first half of 1922 the average space occupied by our reports of these meetings was equivalent to three and a half *C. & D.* pages of the present size, and that in 1932 the corresponding space was just over four pages. During the past few years this amount of space has seldom been required for a similar report. Why? It is no answer to say that the exigencies of war curtail the need for discussion. To a limited extent they may; but if we take the latest monthly meeting of the Council as a sample, there must have been more than a little public interest in the reports of such committees as those concerned with finance and organisation.

Subjects of First Importance

Again, when the new by-law for raising retention fees was introduced, we can hardly suppose that a vote was taken upon it without a word of discussion; yet we are left in ignorance on this point. Subjects of the first importance directly affecting the future of pharmacy and pharmacists have arisen during the past year or so. In almost every instance discussions on these matters in the Council have been "in committee," or the negotiations with out-

side bodies treated as "confidential." An instance of the latter is the entirely unsatisfactory result now published of the Council's negotiations with the War Office on the status of pharmacists in the Army. (Incidentally, it may be noted that the "question time" introduced a few years ago seems to have fallen into abeyance or to have been abolished.) At one of last year's Council meetings Mr. J. H. Franklin expressed the view that "there was insufficient co-ordination between the Council and the branches." How can it be otherwise, when the proceedings of the Council are for the most part shrouded in mystery? It is of very little use for councillors to travel about the country and entertain the branches with picturesque descriptions of the way the various committees function. Not how they work but what they and the Council accomplish is the subject that really interests members. Till those who conduct the affairs of the Society exert themselves to create greater public interest in their activities, it is highly probable that miserably small polls at Council elections will continue to be the rule, to the detriment of pharmacy.

Food Labelling and Advertising

THE Defence (Sale of Food) Regulations (S. R. & O., 1943, No. 1553), which were issued recently as a White Paper (Cmd. 6482) (see *C. & D.*, November 13, p. 480), involve changes in the law, some of which are as follows: Section 6 of the Food and Drugs Act, 1938, is suspended as from January 1, 1944, so far as it relates to food, and is re-enacted in a revised form, with the effect that: (1) The display of a label which falsely describes any food exposed for sale is now an offence, whereas under the Act no offence was committed until a sale was made; (2) whereas, under the Act, it is an offence to give a label, or to publish or to be a party to the publication of an advertisement, which falsely describes or is otherwise calculated to mislead as to the nature, substance or quality of a food, this offence will now specifically include giving a label or publishing an advertisement which misleads as to the nutritional or dietary value of a food. The necessary powers to control the labelling and composition of food are granted to the Minis of Food, who is authorised to proceed Order. An additional power, not contai in previous legislation, is conferred on Minister enabling him by Order to rest the making in advertisements of fo of claims or suggestions of the prese of vitamins or minerals. Where the regarding the labelling and advertising food in Scotland and Northern Ireland affected by these Regulations, it is, so as practicable, made uniform with the in England and Wales. Orders will be iss by the Minister of Food as necessity ar creating standards for particular foods an advisory committee has already b appointed for this purpose.

Labelling

It is proposed to require by Order t in general, pre-packed articles of food s bear a label indicating the following pa culars: (*a*) The name and address of packer; (*b*) the common or usual na (if any) of the food; (*c*) the minim quantity of food contained in the packa and (*d*) the common or usual names (not the proportions) of the ingredients the food. Provision will be made for rel ing these requirements in appropriate ca and the disclosure of ingredients will be necessary in the case of foods for wh a standard is prescribed under the Re lations. In this way the public will be f protected as to the quantity of food t are buying, and also as to its quality, eit by the existence of a standard or by disclosure of its ingredients. In all ca where the public will not be seriou prejudiced ample time will be allo traders to enable them, with the minim of inconvenience, to amend their lal and dispose of existing stocks.

Vitamins

The White Paper explains that necessity for restricting claims or sugg tions in advertisements regarding presence of vitamins and minerals in a f is in part the direct consequence of Government's nutritional policy. It essential for the health of the nation t the value of protective foods should emphasised. This policy must not exploited in relation to foodstuffs where

ctive element is absent, or present in ective quantity. In the case of products mmended as medicines, in which the ence of vitamins or minerals is claimed, already necessary that the label should a quantitative disclosure of these e ingredients. After consultation with Medical Research Council the Govern- t has decided that a similar quantita- disclosure of the vitamin or mineral ent shall also be required in the case oods in which the presence of these tituents is claimed. The defences lable to traders under the Food and s Act, 1938, and the Sale of Food ights and Measures) Act, 1926, are erved in relation to offences under the ulations.

Cure for the Common Cold?

SIDERING the nature of the discoveries erned, it was not surprising that the ular Press should make a dramatic story e contributions of Professor Raistrick others, on the subject of patulin, to the ncet," November 20 (see p. 551). ost the elements of melodrama were ent: the doctor with heavy eyes and ented nose, professors in laboratories, rs in barracks, and a drug intended for er research and, as it were, accidentally overed to be valuable in relieving the ptoms of head colds.

d for Caution

harmacists, however, are well advised dopt a more cautious attitude to the substance, bearing in mind that at ent the supporting evidence is little e than personal impressions of success reating the common cold. Indeed, they be compelled to do so, because it is erstood that the substance "will not released for general use pending the pletion of further large-scale confirma- trials." There is, however, every pect that, if later investigations con- the early trials, a preparation based on active principle will eventually be ilable for sale by chemists, since further erial is to be made by the Therapeutic earch Corporation, Ltd. The Corpora-, with the original research workers, carry out further work on the substance.

Forward from Penicillin

If the material itself is not available, however, there is no doubt that chemists will be bombarded with questions about it from their customers, and it is as well that they should know as much as possible of its nature and properties. The active principle, patulin, is obtained from *Penicillium patulinum*, which is one of a series of moulds which were being investigated in following up recent researches upon penicillin. By comparison with penicillin, patulin has a greater yield (1 gm. from each litre of culture filtrate), but also, unfortunately, a much greater toxicity (a 20-gm. mouse is killed by 0·5 gm. injected subcutaneously or intravenously). It has the immense advantage that it is bacteriostatic *in vitro*, even in the presence of serum or pus, and that it is active against both gram-positive and gram-negative organisms, but there is no evidence that it is of equal activity with penicillin against gonococci.

Clinical Trials

The "almost accidental" observation by Professor Gye, of the Imperial Cancer Research Fund Laboratories, was that patulin, "in watery solution of unknown strength, but probably, judging by subsequent tests, at least 1 in 1,000," when used as a nasal douche, caused clearing of the nasal passages within the hour. At that strength the application was attended with considerable pain, but later tests showed that a suitable—and painless—strength was 1 in 20,000 in a solution buffered with phosphate at *p*H 6. Additional clinical tests were made upon patients at a naval hospital, only those being chosen whose symptoms were an acute specific catarrh involving the upper respiratory tract. The results, in percentages of "cures," were distinctly encouraging, but, as already mentioned, they are not numerous enough for general conclusions to be drawn, and insufficient work has yet been done to ascertain whether there are any undesirable side-effects.

Perhaps the most important implication of all is the likelihood that further valuable principles of the penicillin type will result from continued researches into the group of moulds.

THE NEW OFFICIAL OINTMENT BASIS

Abstract of a Paper on "Wool Alcohols and the New Ointment Basis of the Sixth Addendu given by Mr. D. H. O. Gemmell, Ph.C., at a meeting in Glasgow recently (*see* p. 533)

THE introduction by the Sixth Addendum to the Pharmacopœia of a new ointment basis is by far the most important of recent pharmacopœial changes affecting the practising pharmacist. The new basis, which comes into use officially on February 1, 1944, replaces paraffin and simple ointments in a number of pharmacopœial ointments.

Four Classes of Ointment Base

According to Mumford ("Practitioner," 1940, II, 258) four classes of bases are generally available for the preparation of ointments. These are:—

(*a*) Inert (Soft paraffin, lard, etc.).
(*b*) Gum (Tragacanth creams, etc.).
(*c*) Emulsifying (Lanette wax SX, etc.).
(*d*) Emulsion (E.g., Unguentum Aquosum).

The British Pharmacopœia, 1932, confined itself to the use of the inert type of base, except in unguentum aquosum, which is not generally suitable and not even, for that matter, intended as a base, since it is incompatible with many medicaments. The new ointment base belongs to the emulsion-base group, which produce partially or completely saturated water-in-oil emulsions by absorbing water, and are also known as absorption bases or hydrophile ointment bases. Thus the inert type of base is replaced in many ointments by a water-in-oil emulsion base, leaving, however, an alternative formula for zinc oxide ointment. It is felt that greater latitude in the type of base used might have been allowed.

Absorption Base Adopted

The absorption base used for the new ointment basis consists of the alcohols separated from wool wax dissolved in a mixture of liquid, soft and hard paraffins. Wool alcohols (Alcoholia Lanae) is prepared by separating the alcoholic fraction from the saponification products of the crude grease from sheep's wool or from lanolin (which gives a greater yield and better product). The separated fraction consists mainly of cholesterol and its esters, sterols, triterpene and other alcohols—the esters of lanoceric, lanopalmitic, carnaubic, myristic and oleic acids found in lanolin being removed. Wool alcohols is a brownish-yellow, brittle, wax-like substance showing a clean fracture when broken; it has a low acid and saponification value and a high melting point (av. 60° C.). No separate fraction of wool alcohols is responsible for its emulsifying or water-absorbing po which it is able to bestow on any oil o in which it is dissolved. Absorption b are capable of absorbing from 50 to 200 cent of water, but those containing 200 cent. are not very stable. The water-i emulsions produced by the bases are upset by the presence of electrolytes, acids, metallic salts, etc. Commercial b similar to the Sixth Addendum basis familiar—notably Eucerin, consisting cholesterol 5 per cent., anhydrous lan 15 per cent., and white paraffin 80 per c

Preparation of the New Ointments

In the preparation of the new ointm the difficulty would appear to lie in preparation of the anhydrous base (c ment of wool alcohols) which contains per cent. of hard paraffin, owing to tendency of the paraffin to separate cooling. The difficulty is apparent and real since, in the subsequent preparat of hydrous, tannic acid and haman ointments, ointment of wool alcohols to be remelted. Thus no particular need be taken in the preparation of the b The directions given for the preparatio hydrous ointment obviously require m fication, since the addition of cold wate the melted base would cause the immed separation of hard paraffin. The met suggested is as follows:—

Melt in a water-bath the ointment of alcohols, using a vessel which does not pe too rapid a surface cooling to take place. the distilled water, previously heated to a 65° C., and allow to cool slowly. This ma ensured by allowing the vessel to remain on water-bath with the source of heat remo Stirring should take place during cooling.

Emulsification commences when the t perature drops to about 60°, and no para separates during the delayed cooling. care is taken in the preparation of the c ment of wool alcohols, hydrous ointm may be prepared by trituration in the c but the product is not so satisfactory a the method outlined. Ointments of ta acid and hamamelis may be similarly pared. The remaining Sixth Addend ointments in which hydrous ointment it is used (boric acid, salicylic acid, amm ated mercury, oleated mercury, mercu chloride, sulphur, zinc oleate and zinc ox can be satisfactorily prepared by follow the directions given.

PATULIN

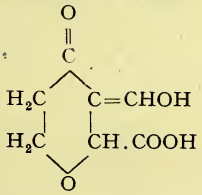
results of collaborative researches ed out on a metabolic product of *icillium patulum* have been made public he "Lancet" (November 20, p. 625). product has been identified as anhydro-droxymethylene-tetrahydro-γ-pyrone-rboxylic acid and named patulin.

tion of the Compound

wo cultures identified as strains of *P. lum* (Bainier) were used throughout the k. Patulin was produced by two mould ns, one obtained from Holland in 1935 the other isolated in this country in . The medium was distributed in mil amounts in each of a number of litre flasks plugged with cotton-wool. flasks were sterilised by autoclaving, each flask was sown with a spore ension in sterile distilled water of each n, prepared from cultures grown for rt two weeks on beer-wort agar. The s were then incubated in the dark at C. for twelve to fourteen days. Growth oth strains of fungus was vigorous. At end of the incubation period the meta-m solution was separated by filtration the mould mycelium, and the clear te was evaporated *in vacuo*, without ner treatment, at a bath temperature 0–45° C. to about a twentieth of its me. Patulin is separable from the con-rate either by continuous extraction ether or by triple extraction with an l volume each time of ethyl acetate. ethereal solution was diluted with r and passed through a column of inium trioxide. Filtrate and washings evaporated to small bulk and the centrate held at 0° C. for twenty-four s. Patulin separated in colourless tab-which were almost analytically pure.

sical and Chemical Properties

atulin is a colourless, crystalline solid, a melting point of 111° C. and the irical formula $C_7H_6O_4$.



is suggested by Birkinshaw and others the structural formula given above may scribed to its hydrolysis product.

Patulin is optically inactive. It is soluble in water and in most of the commoner organic solvents except light petroleum. An aqueous solution is neutral to litmus and does not titrate as an acid. The pure antibacterial substance inhibits the growth of *Staphylococcus aureus* at a concentration of 1 : 64,000. Studies have been made of numerous derivatives, and the data obtained are set out in the "Lancet" articles.

Preliminary experiments have been carried out to estimate the action *in vitro* of patulin against a number of pathogenic ærobic organisms. The results show that it possesses bacteriostatic powers against a number of gram-positive and gram-negative ærobic organisms, and suggest that it is also active against anærobes. Its action is not affected by the presence of serum or of pus. Phagocytosis is inhibited at a dilution of 0·05 per cent.; it is reduced at 0·025 per cent., but unaffected at 0·0125 per cent. The lethal dose of patulin for mice is about 0·5 mgm. per 20 gm. body weight, whether given intravenously or subcutaneously; subcutaneous administration was found to produce necrosis at the site of the injection.

Action on Common Cold

The substance has been given a trial in the treatment of common colds at a naval establishment in this country, solutions being sprayed into the nose or snuffed up from the hand. 57 per cent. of treated cases recovered completely within forty-eight hours, against only 9·4 per cent. of controls. No ill-effects were observed.

Arrangements have been made with the Therapeutic Research Corporation of Great Britain to manufacture the pure anti-bacterial substance for further trials.

Rubber from Russian Dandelions.—An account of work now being carried out at Kew Gardens in the development of additional sources of rubber has been given recently by Sir Geoffrey Evans, economic botanist at Kew. The seeds of three plants from which rubber has in recent years been produced in Russia were received at Kew and cultivated there and at twenty-two other stations. The most promising of the three plants was Kok-saghyz, from the Ukraine and Poland, which appears to be capable of yielding in Britain from 65 to 100 lb. of rubber per acre. The comparable yield of Para rubber is 800 to 1,000 lb. The plant needs good soil, and the authorities do not advise its general cultivation.

TRADE MARKS

(*From "The Trade Marks Journal," October 27*)

"MEXTRAN"; for sanitary towels, bandages, medical and surgical dressings and plasters, cellulose wadding and medicated toilet paper (5). By Alex. Carus & Sons, Ltd., Hoddlesden Mills, Johnson Road, Hoddlesden, Darwen, Lancs. 623,739.

"RYSOLITE"; for pharmaceutical preparations and substances (5). By H. Bingham, 114 Cromwell Road, Grimsby, Lincs. 623,827.

"TOXONA"; for insecticides, larvicides and fungicides (5). By Technical Products, Ltd., 29 Great St. Helens, London, E.C.3. B623,854.

"PARBRO"; for surgical dressings, antiseptics, and adhesive plasters for medical or surgical purposes (5). By Parry Brothers, 295 Claughton Road, Birkenhead. 624,328.

"FEMEX"; for pharmaceutical preparations, sanitary substances and surgical dressings (5). By W. Stretch & Co., Ltd., 112 Dale Street, Milnrow, Rochdale. 624,479.

"KOMINAL"; for analgesic, hypnotic and sedative preparations (5). By G. W. Taylor, 40 Duncombe Street, Walkley, Sheffield. 624,598.

"ISTA"; for insecticides (5). By Chromol, Ltd., Moorlands Hall, Birkenshaw. 624,767.

(*From "The Trade Marks Journal," November 3*)

"ENZYGENE"; for non-medicated toilet and cosmetic preparations (3) and for pharmaceutical preparations (5). By Enzyme Products, Ltd., 107–11 Fleet Street, London, E.C.4. 623,887–88 (Associated).

"WISHBONE"; for non-medicated toilet preparations, etc. (3). By Hans Gessler, 54 Old Broad Street, London, E.C.4. 624,075.

"NON-MIROIR"; for non-medicated toilet preparations, perfumes, etc. (3). By Coty (England), Ltd., 3 Stratford Place, London, W.1. 624,195.

"COOLANA"; for all goods (5). By Koray, Ltd., 56 Gamage Building, Holborn, London, E.C.1. 624,445–46 (Associated); 624,114 (Associated).

'ALPHA" in form of cross on seal devices, and including words "Sera, Vaccines, Veterinary Products" (red, white and silver colouring disclaimed); for sera and vaccines for veterinary use (5). By Willington Medicals, Ltd., 87 Whitchurch Road, Shrewsbury. 622,757.

"SHELLTOX" and "DEATH TO ALL INSECTS" on oblong device of silhouette of man using spray; for insecticides for sale in the United Kingdom (5). By Shell-Mex & B.P., Ltd., 22 Great St. Helens, London, E.C.3. 622,800 (Associated).

"SANIPYNE"; for pine disinfectants (5). By Topsy Products, Ltd., 265 Cambridge Heath Road, London, E.2. 623,699.

"B-PLEX" ("B" disclaimed); for all goods (5). By J. Wyeth & Brother, Ltd., Oldhill Street, London, N.16. 624,029 (Associated).

"LILAIN" with lily device on oblong shape; for menstruation appliances (5). By Lilia, Ltd., Neptune Street, Hull. 624 (Associated).

"AMOPAX"; for pharmaceutical preparat for human use (5). By Amovon, Ltd., So field Lane, Bradford, Yorks. 624,416.

"ANOSKYE"; for medicines for internal hu use (5). By H. V. Sykes, 135 Meanw Road, Leeds, 7. 624,419.

"CUPALINE"; for pharmaceutical preparat and substances and for antiseptics (5). Cupal, Ltd., King Street Bridge, Blackb 624,452 (Associated).

"CINASP"; for medicated preparations human use (5). By Queens Warehouse 8 and 10 Burlington Arcade, May Day G Barnsley, Yorks. 624,786.

(*From "The Trade Marks Journal," Novembe*

"DUROSAX"; for artificial sweetening stances, etc. (1). By Koray, Ltd., 56 Gar Building, Holborn, London, E.C.1. 623

"MARIAN RIGBY"; in script characters black strip label; for non-medicated t preparations (3). By Rita Rigby, 4 Wart Road, Carlisle. 622,714.

"C'EST MOI"; for non-medicated toilet prep tions (3). By Coty (England), Ltd., 3 S ford Place, London, W.1. 624,193.

COMING EVENTS

Sunday, November 28

MANCHESTER PHARMACEUTICAL ASSOCIAT Ramble to Hayfield, Chinley, and New Meet London Road Station, 9.30 a.m. Hayfield return. Carry lunch.

Wednesday, December 1

NATIONAL ASSOCIATION OF WOMEN PHA CISTS, 17 Bloomsbury Square, London, W at 7 p.m. Mrs. J. K. Irvine, M.B.E. (a m ber of the Pharmaceutical Society's Co on "The Control of Pharmacy."

Thursday, December 2

CHEMICAL SOCIETY, Chemistry Lecture The University College, Nottingham, at 4 Dr. H. J. Emeléus on "Some Properties Reactions of Anhydrous Hydrofluoric A

Friday, December 3

CHEMICAL SOCIETY, Royal Technical Co Glasgow, at 7.15 p.m. Professor G Bennett, M.A., Sc.D., on "Some Aspec the Formation of Ring Compounds."

CLOSED ON SATURDAYS.—Advertisers subscribers are reminded that owing to conditions the Head Office of THE CHE AND DRUGGIST, 28 Essex Street, London, W is closed on Saturdays until further n Urgent instructions relating to advertising subscriptions should be sent to the *C. &* 17 Argyle Street, Bath, Somerset.

TRADE REPORT

t quotations for pharmaceutical chemicals, crude drugs and essential oils represent prices for wholesale quantities of standard quality. C.i.f. quotations do not include rine war risk insurance and other abnormal charges payable in the present emergency

8 Essex Street, W.C.2, November 24

IET conditions have again prevailed in sections of the markets, intensified, per-s, by the absence of some buyers and ers owing to prevalent ill-health. Most the orders received have been for modest ntities for immediate consumption, and commodities reported last week as ding easier are certainly no weaker. siness in PHARMACEUTICAL CHEMICALS still quiet, and no price changes have n notified by makers. Increased prices a number of Lease-Lend chemicals were icated last week (p. 528).

ide Drugs

Business in drugs generally continues dest, with no changes in prices. Cape OES continues in demand, with no stocks ilable; a small amount of Curaçao is e had. BALSAMS are at the figures noted week. COCHINEAL for medicinal use quoted at the reduction of threepence pound noted last week. Supplies of COCYNTH PULP are available on spot. change has occurred in the ERGOT posi-n, with shipment prices varying slightly ording to buyer's or seller's licence. d supplies are available of GUM ACACIA. CACUANHA, however, appears to be austed on spot, and there is none coming ward. JALAP remains firm, and SPICES erally are unchanged. Interest in SEEDS ws no signs of being renewed.

ential Oils

No developments have taken place in the ition of CONTROLLED ESSENTIAL OILS, l any quantities outside the official eme are steadily disappearing. Details the prices of REFINED OILS and IM-RTED EDIBLE ANIMAL FATS allocated to mary wholesalers and large trade users ring the eight-week period, November 14 January 8, were given in last week's ue (p. 529).

Pharmaceutical Chemicals

ACETANILIDE.—Prices are unchanged, as fol-s: Crystals, 2s. 5d. per lb.; powder, 2s. 6d.

ASPIRIN.—Demand continues. Makers' prices lb., in quantities of 28 lb.–1 cwt., are as ows (containers in brackets): 4s. (1-lb.); 10½d. (4-lb.); 3s. 9½d. (7-lb.); 3s. 9d. (14-); 3s. 8½d. (28-lb.).

BORAX.—Makers quote as follows: B.P., granulated, £39 10s. per ton; crystal, £40 10s.; powder, £41, packed in one-cwt. bags; carriage paid in Great Britain, in one-ton lots and upwards. Commercial quality, £8 per ton less.

CITRATES.—Makers' prices per lb. for POTASSIUM, in lots of 28 lb.–1 cwt., are as follows (containers in brackets): 3s. 2½d. (1-lb.); 3s. 1d. (4-lb.); 3s. (7-lb.); 2s. 11½d. (14-lb.); 2s. 11d. (28-lb.). IRON AND AMMONIUM (SCALES), B.P., is at 3d. per lb. above, and SODIUM is at 1d. per lb. below these prices.

CODEINE.—Makers' prices per oz. are as follows: ALKALOID.—½ oz., 48s. 3d.; 1 oz., 45s. 9d.; 2 oz., 44s. 3d.; 3 oz., 43s. 6d.; 4 oz., 43s. 3d. HYDROCHLORIDE.—½ oz., 42s.; 1 oz., 39s. 6d.; 2 oz., 38s.; 3 oz., 37s. 3d.; 4 oz., 37s. PHOSPHATE.—½ oz., 37s. 9d.; 1 oz., 35s. 3d.; 2 oz., 33s. 9d.; 3 oz., 33s.; 4 oz., 32s. 9d.

CREAM OF TARTAR.—British makers quote at 262s. per cwt., less 2½ per cent. discount.

DIAMORPHINE.—Current rates per oz. for small quantities are as follows: ALKALOID, ½ oz., 54s.; 1 oz., 51s. 6d.; 2 oz., 50s.; 3 oz., 49s. 3d.; 4 oz., 49s. HYDROCHLORIDE.—½ oz., 49s.; 1 oz., 46s. 6d.; 2 oz., 45s.; 3 oz., 44s. 3d.; 4 oz., 44s.

GLYCERIN.—Prices per cwt. for small supplies are as follows: 56-lb. tin, 99s.; 14-lb. tin, 105s.; subject to 2½ per cent. discount, twenty-eight days.

MERCURY IODIDES.—The following are makers' prices per lb.; RED, less than 7 lb., 20s. 8d.; not less than 7 lb., 20s. 2d.; not less than 14 lb., 19s. 8d. GREEN, less than 7 lb., 28s. 8d.; not less than 7 lb., 26s. 2d.; not less than 14 lb., 25s. 8d. YELLOW, less than 7 lb., 28s. 1d.; not less than 7 lb., 27s. 7d.; not less than 14 lb., 27s. 1d. net, carriage paid.

PHENOLPHTHALEIN.—Steady at makers' prices. Less than 7 lb., 4s. 6d. per lb.; 7 lb., 4s. 5d.; 14 lb., 4s. 4d.; 28 lb., 4s. 3d.; 1 cwt., 4s. 2d.

PILOCARPINE.—Quotations per oz. are as follows: BASE, 1 oz., 27s.; 4 oz., 21s. 3d.; 4 oz., 20s. 9d.; 25 oz., 20s. 3d.; NITRATE, 1 oz., 18s. 6d.; 4 oz., 18s.; 25 oz., 17s. 6d.

POTASSIUM PERMANGANATE.—B.P. is quoted by makers at 1s. 10d. per lb.

SODIUM BENZOATE.—Price steady at 2s. 9d. to 3s. per lb., according to quantity.

SULPHANILAMIDE.—Quotations are unchanged at 10s. 6d. to 12s. 6d. per lb., according to quantity.

TARTARIC ACID.—British makers quote at 3s. 1½d. per lb. for B.P. crystals, less 5 per cent. discount.

VANILLIN.—Current rates per lb. are as follows: 5 cwt., 21s. per lb.; 1 cwt., 21s. 3d.; 56 lb., 21s. 6d., less than 56 lb., 21s. 9d.

Crude Drugs

AGAR.—Supplies of Kobe No. 1 for bacteriological use are at 65s. to 75s. per lb.

ALOES.—Spot prices of Curaçao are steady at 470s. to 480s. per cwt., shipment, 360s. to 370s., c.i.f. Spot stocks of Cape are not forthcoming.

ANTIMONY.—Conditions and prices are unchanged. English minimum 99 per cent. regulus, £120 per ton, delivered; 70 per cent. crude, for the home trade, £100 per ton, delivered.

BALSAMS.—The prices of all varieties are unchanged. *Tolu*, softish, 15s. 6d.; *Canada*, 10s. 6d.; *Peru*, 8s. 3d. per lb., duty paid.

BELLADONNA.—From 5s. to 5s. 6d. per lb. would be wanted on spot for Indian leaf, and from 4s. to 4s. 6d. per lb. for Indian root, both according to test.

BUCHU.—Spot stocks of both rounds and ovals are exhausted.

CAMPHOR.—Supplies of Chinese crude (93 per cent.) are available to approved buyers at 10s. per lb.; B.P., 11s. 6d.

CARDAMOMS.—Quiet. Aleppy greens, spot, 5s. 6d. per lb.; Aleppy seed, 6s. 6d.; split seed, 5s. 6d.

CASCARA SAGRADA.—No spot supplies of bark are yet available to meet the demand.

CHAULMOOGRA.—*Hydnocarpus*, spot, tins in cases, 1s. 7d. per lb.; shipment from India, 1s. 3d. per lb., c.i.f.

CHILLIES.—The only variety offered at present is Mombasa, quotations for which are steady at 120s. per cwt.

CLOVES.—Business is on a small scale. Zanzibar, spot, 1s. 5½d. per lb.; second grade, to arrive, 10d. per lb., c.i.f., sellers.

COCHINEAL.—Blacks for medicinal use are at 4s. 6d. per lb.

COCONUT (DESICCATED).—A Ministry of Food Order fixes the price at 49s. per cwt.

COLOCYNTH.—Fine white pulp, spot, 3s. 3d. per lb., duty paid.

DIGITALIS LEAVES.—English-grown leaf is steady at 2s. 6d. per lb.; Portuguese leaf may be obtained on spot at 135s. per cwt.

DRAGON'S BLOOD.—The only variety available on spot is dull Zanzibar drop, which may be had at £21 per cwt.

ELEMI.—No. 1, 360s. per cwt., if available.

ERGOT.—Sound is priced at 5s. 9d. per lb. on the spot; shipment, 4s. 9d. per lb., c.i.f.

GALANGAL ROOT.—Quoted at 100s. per cwt., in bond Liverpool.

GUM ACACIA.—Kordofan cleaned sorts, 90s. per cwt.; bleached, afloat, 150s., c.i.f.; Talha, cleaned, 55s. per cwt., landed.

HENBANE LEAVES.—Spot price of Indian leaves varies between 200s. to 350s. per cwt., according to test. Russian leaves, to approved buyers, 3s. 6d. per lb.

IPECACUANHA.—Spot stocks are apparent exhausted. Current prices of EXT. IPECAC. L are as follows: Winchesters, B.P., 1932, und three, 32s. 6s. per lb.; three and under s 32s.; six and under twelve, 31s. 6d.; twel and over, 31s.; B.P., 1914, under three, 30s. 6 three and under six, 30s.; six and under twel 29s. 6d.; twelve and over, 29s. per lb.; prices quoted are on a net basis.

JALAP.—Brazilian, 15 per cent., steady 117s. 6d. per cwt.

KAMALA.—Demand is extremely sm Material testing 5 per cent. may be obtain at 1s. 9d. per lb.

LIQUORICE ROOT.—Approved users can obt Russian root for pharmaceutical purposes 75s. per cwt. on spot; cut Russian root, non-pharmaceutical use, 96s. 6d. per cwt.

MENTHOL.—Some small spot parcels may available at 95s. per lb.

MERCURY.—Official spot quotations ra from £68 10s. to £69 15s. per flask, accord to conditions and quantity, with higher ra for smaller lots and redistilled grades.

MYRRH.—Good-quality Aden sorts are quo on spot at £20 per cwt.

NUTMEGS.—West Indian, spot, wormy broken, 1s., 5d. per lb.; sound unassort 1s. 8d.

NUX VOMICA.—Cochin, washed and garbl spot, 42s. 6d. to 45s. per cwt., according seller; shipment from India, 35s., c.i.f. canada, spot, 37s. 6d. per cwt.; shipme 32s. 6d., c.i.f.

ORANGE PEEL.—Spanish bitter quarters at 4s. 3d. per lb., spot; thin-cut of g quality, 4s. 6d.

PEPPERS.—Maximum prices of whole, picked over or cleaned, on sale to process are: 1s. 4d. per lb. for white, and 1s. per for black, both duty paid.

The first forecast of the pepper crop in the Ma Presidency ("Indian Trade Journal") states that area under pepper up to August 25, 1943, in the dist of Malabar and South Kanara is estimated at 102 acres (94,000 acres in Malabar and 8,500 acres in S Kanara), as against 104,500 acres (95,800 acres in M bar and 8,700 acres in South Kanara) estimated for corresponding period of the previous year. The y per acre is expected to be normal.

PIMENTO.—Unchanged at 1s. 9d. per spot, sellers; shipment, unquoted.

PODOPHYLLUM.—Spot supplies are exhaus and shipments from source are not forthcom

PSYLLIUM SEED.—Small spot supplies Indian seed may be obtained from dealers 1s. 3d. per lb.

QUILLAIA BARK.—Crushed or cut bark, s 95s. per cwt.; natural, 75s.; afloat, 65s., c Price in Chile reported tending upwards.

RHUBARB.—In good demand at unchan prices. Spot, rough-round, 8s.; flat, high-dr rough-coat, 8s. to 8s. 3d.; slightly wormy, Shensi, pickings, 11s.; medium to bold, to 14s. Demand for the better qualities is sm

SEEDS.—Quiet. CORIANDER.—Indian, 90s. r cwt. CUMIN.—Maltese, spot, 120s.; Indian, 0s. DILL. — 160s., ex wharf Glasgow; 7s. 6d., ex wharf London. FENNEL.—Nominal 87s. 6d. FENUGREEK.—May be had at 80s. USTARD.—Controlled prices as recently re-ded are unchanged.

SENNA.—Alexandrian medium pods are at 9d. to 4s. per lb.; Tinnevelly, manufacturing ade, 6d. to 7½d.; hand-picked, 10d. to 1s. 6d.; ken Alexandrian leaves, 1s. 3d. to 1s. 4d.; tings, 1s. 2d.; Tinnevelly No. 1, 9d. to 10½d.; . 2, 7d. to 7½d.; No. 3, 5½d. to 6d.

SQUILL.—Portuguese, 80s. per cwt.; Indian, 3. 6d.

STRAMONIUM LEAVES.—Around 95s. per cwt., store.

STROPHANTHUS.—Kombé 100 per cent., 10s. 10s. 6d. per lb., as to quantity.

TRAGACANTH.—Unchanged at the slightly ier prices recently recorded. No. 1, white, 30 per cent.; No. 2, white, £115; No. 3, ite, £102; No. 4, white, £83; pale leaf, £65; ber leaf, £55; dark amber, £40; brown leaf, 0; red-and-brown leaf, £28; red leaf, from 2; hoggy, from £12 to £15.

TURMERIC.—Unchanged at 57s. 6d. for dras finger and 55s. per cwt. for wormy.

VALERIAN ROOT.—Offered at 95s. per cwt., store.

WAXES.—BEES.—Obtainable only through Association of Merchant Distributors of eswax. CARNAUBA.—Quiet. Fatty grey, t, steady at 420s.; chalky grey, 410s.; imeira, 530s. per cwt.

According to "Foreign Commerce Weekly," published the United States Department of Commerce, produc-n of carnauba wax in the State of Ceara, Brazil, ounted to 2,050,778 kilos during 1942, or 42 per cent. than in 1941. The demand for the product, however, s so strong that, despite lower production, its total ue in 1942 was 52,336,870 cruzeiros, only 42,668 zeiros less than 1941. The annual production of swax in the same State averages about 15 tons, most which goes to South Brazil (16·5 cruzeiros = 1 United tes dollar).

Essential and Expressed Oils

ANISE (STAR).—Nominal at 80s. per lb.

BAY.—Spot, if available, would be in the gion of 12s. 6d. per lb.

BOIS DE ROSE.—Any available spot supplies uld fetch 47s. per lb.

CAJUPUT.—Spot supplies are in small com-ss at approximately 15s. per lb.

CINNAMON.—About 15s. 6d. would be wanted spot for leaf oil.

CITRONELLA.—The spot price of Java is ound 25s. per lb.; Ceylon, about 21s. 6d.

CLOVE.—Genuine B.P. is quoted by English stillers at 11s. 6d. to 12s. per lb., as to antity.

COCONUT.—Bulk supplies of refined deodor-d are officially quoted at £49 per ton, and fined hardened deodorised at £53, both naked works.

COTTONSEED.—Bulk supplies are officially priced as follows: Refined edible, £57 per ton; refined deodorised, £58 per ton; both naked ex works.

CROTON.—Quotations are steady at 9s. 6d.

EUCALYPTUS.—Spot price for oil of 70 to 75 per cent. cineole content is about 5s. 9d. per lb., in drums; 80 to 85 per cent., around 6s.

GERANIUM.—Genuine North African, spot, 85s. to 90s. per lb. as to quantity.

GINGER.—The price of English-distilled is around 90s. per lb.

GINGERGRASS.—Price steady at 22s. 6d. per lb.; stocks low.

GROUNDNUT.—Controlled prices for bulk supplies are as follows: Refined deodorised, £58 per ton; refined hardened deodorised, to 40°, £62; refined hardened deodorised, to 50° to 52°, £62; all naked ex works.

LEMONGRASS.—Now around 13s. 6d. per lb.

NUTMEG. West Indian, spot, 42s. per lb.

PALM.—Official price of refined deodorised remains at £55 per ton and that of refined hardened deodorised at £58 per ton, both naked ex works.

PALM KERNEL.—Bulk supplies are officially priced as follows: Refined deodorised, £49 per ton; hardened refined deodorised, £53 per ton, both naked ex works.

PALMAROSA.—Spot, 93 per cent., if available, about 35s. per lb.

PATCHOULI.—Any available spot supplies of good-quality oil would be worth about 72s. 6d.

PEPPERMINT.—Chinese, in short supply, around 120s. per lb., if obtainable.

PETITGRAIN.—Scarce at 25s. per lb.

RAPESEED.—Official quotation for bulk supplies of refined is unchanged at £60 per ton, naked ex works.

ROSEMARY.—Around 16s. per lb., spot.

Controlled Essential Oils.—The following is the current schedule of prices for controlled essential oils. Prices are per lb., for oils delivered to consumer in original packages.

Lemon, cold-pressed	18s. 10½d.
Lemon, distilled ..	14s. 4d.
Peppermint	36s. 4d.
Grapefruit	18s. 2d. (incl. duty)
Sassafras	11s. 3¼d. (plus 1s. duty)
Caraway	20s. 4½d. (plus 1s. 10d. duty)
Wormseed	15s. (plus purchase tax where payable)
Cedarwood	3s. 1d. (plus 3d. duty)
Nutmeg	22s. 3d. (plus 2s. duty)
Fennel	11s. 3½d. (plus 1s. duty)
Coriander, Russian ..	127s. (plus 11s. 6d. duty)
Geranium, Bourbon	25s.
,, (Ministry oil)	24s. 6d.
Orange oil, Jamaica	23s. 6d.
Vetivert	37s. 7d. (plus 3s. 5d. duty)

CORRESPONDENCE

Export Research

SIR,—Lord Strathspey's letter in a recent issue of the *C. & D.* (p. 426) makes a most important contribution towards the solution of the problem of how to expand our export trade. By all means let the primary products industries, such as chemicals, steel, cotton, wool, etc., follow the example of the rubber industry, and inspire the federation of all businesses which use the primary product to any appreciable extent in the manufacture of their goods. But may I be permitted to carry Lord Strathspey's suggestion perhaps a thought further? What is needed is that each Federation should form an export market research organisation to discover, and set out as simply as is intelligible, the conditions and habits of prospective buyers overseas. The financing of these market research organisations should present no obstacle. It can be arranged by subscription of capital on fixed-interest terms. This interest could well be met, and the capital safeguarded, by the fees charged for such services.

Yours faithfully,

London, W.C.2. H. G. SAWARD.

A Contrast

SIR,—A few days ago I was reading the advertisement of a pharmaceutical manufacturing firm in a well-known American weekly journal. It ran: "Filling a prescription is next in importance to writing it. For that reason there exists between the pharmacist and the medical practitioner a close relationship. And just as it takes something to be a physician, it takes something to be a pharmacist. It takes years of study to learn the properties and uses of drugs and the scrupulously exact methods of compounding them. . . . The confidence your doctor has in your pharmacist is a tribute to the profession he serves and to the pharmacist himself. Your pharmacist merits the same degree of confidence from you that he has already earned from your physician." That is the American view, but open almost any pharmaceutical periodical today in this country and what do we find? "Mines or Marines for the Pharmacist"; "Army Council Rejects Pharmacists' Memorandum"; "Insurance Committee Cannot Accept Proposed Rota." What a contrast! Listen to any two proprietor pharmacists talking today, and their self-seeking provides the clue to the different outlooks.

Yours faithfully,

I. DEALIST.

MISCELLANEOUS INQUIRIE

Spindle Oil.—*S.G.*—This is a petrole oil. It is obtained by the fractional d tillation of the residue of Russian American petroleum oil, and has a spec gravity of 0·883 to 0·932.

A Proprietary Chloramine.—*P.C.*—C rina tablets are a proprietary brand chloramine-sodium, 0·5 gm. Suitable alt natives are given in the "Extra Pharm copœia" under the monograph on chlo mine.

Sterile Hypodermic Needles.—*H. S.*— a substitute for alcohol as a liquid in wh to immerse hypodermic needles in order maintain sterility you might perhaps ether, but the needle would, of course, h to be actively sterilised first, by boiling otherwise. Sterilisation of the skin is considered necessary by some modern thorities, but if it is thought desirabl weak solution of phenol could no doubt applied to the site.

Estimating Fruit Juice in Cordials.—*W* —There is no generally applicable metl of estimating the proportion of fruit ju in cordials. In fact, the matter is beset w difficulties because indirect methods h to be used, such as reducing the su content, estimating the amount of vitan or calculating the percentage of essen oils present. As, however, any of th materials may have been reinforced by manufacturer, the results are an index the food value of the cordial but not nec sarily of the amount of natural fruit ju used in its manufacture. The three figu may coincide with the known contents a given fruit juice, in which event it co probably be inferred that a pure natu juice had been used, but there is no pro

Manufacture of Toilet Preparations *F. H. J.*—You are not allowed to sup controlled goods manufactured by your unless you were carrying on a business such goods before October 1, 1941. It ma no difference in this respect whether you a chemist or not. The Toilet Preparati (No. 3) Order came into force on Septem 1, 1943, and controls both manufacture a supply of toilet preparations. The date supply is the date that matters. Eit you are entitled to supply controlled go to the value of £41 13s. 4d. monthly or you may not supply them at all, exc under licence. Applications for licences dealt with by the Board of Trade, Ind tries and Manufactures Department, M bank, London, S.W.1.

When ordinary Salt is barred —

THOSE who are forbidden to take common salt, find that 'SELAROM' is the perfect salt-free condiment. It tastes just like ordinary salt, and is used on food in exactly the same way.

'Selarom'

TRADE MARK

BRAND OF
SALT-FREE CONDIMENT

2 oz. Bottle	2/-	Exempt from Purchase Tax
8 oz. Bottle	6/-	
2 lb. Bottle	17/6	

Prices subject to usual discounts.

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PHENOL
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SILVER NUCLEINATE 30%
SILVER COLLOIDAL 70%
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We shall be pleased to send a complete Price List of our Products on request
(*Please enclose 1d. stamp*)

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Subject to war limitations our services are available and at the disposal of consumers.

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RARE ESSENTIAL OILS
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WE'RE SORRY

. . . but it just can't be done!

Meeting fully the present call for 'ANADIN' is as impossible as filling a tumbler from an empty jug! The demand for these tablets far exceeds the supply which, in turn, is governed by the availability of the high-grade constituents used in their manufacture. It is mainly by reason of the shortage of these raw ingredients that we are obliged to maintain the existing quota system.

Every effort is, however, being made to cope with the supply problem and just as soon as we can see our way to give you an additional allocation, we shall be only too glad to do so.

ANADIN' ADVERTISING . . .

During the past year, prestige advertising for the product has been featured in the Press for the following very good reasons: (a) 'ANADIN' is playing its part in the war effort by helping to reduce absenteeism due to minor ailments — and we're proud of it! (b) Our advertisements do much to explain the present difficult supply position, and (c) It is our policy to keep the name 'ANADIN' well to the fore with a view to post-war development, when we, too, look forward to being able to execute your orders 'in full.'

Distributors:
KOLYNOS (Sales) LTD.,
2 CHENIES ST., LONDON, W.C.1

ANADIN
TABLETS
REGD.
FOR THE RELIEF OF PAIN

In these trying times —

INDICATIONS
General fatigue and debility, hypertension, infective conditions, night blindness.

PACKINGS AND PRICES

80 tablets..	3/4½
250 tablets..	9/6
1000 tablets..	30/7½

(Including Purchase Tax) P.A.T.A. *List*

CAROVIT BRAND **CHLOROPHYLL TABLETS**

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PRIVATE FORMULAS COMPOUNDED BY EXPERTS *(Strictest Secrecy Guaranteed)*

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Distilled in Australia by the largest distillers and refiners of Eucalyptus Oils in the world—W. K. BURNSIDE, PTY., LTD., MELBOURNE, AUSTRALIA.

80/85% B.P.	70/75% B.P.
Oil Euc. Dives 40/45%	Piperitone 90/95%
Oil Euc. Citriodora	Oil Euc. Phellandra

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TRADE MARK REGISTERED.

FOR COUGHS.

Owbridge's Lung Tonic

FOR COLDS.

We regret that owing to shortage of raw materials we are compelled to ration supplies to our customers.

We should like to express our sincere thanks to all for the spirit in which this unavoidable restriction has been accepted.

Retail Price - 1/2 per bottle
including purchase tax
Gross Lots - 8/6 per dozen
excluding purchase tax
Under 1 Gross 9/- per dozen
excluding purchase tax
(Protected by P.A.T.A.)

W. T. OWBRIDGE, Ltd., The Laboratory, HULL

For Colds, Acute Rhinitis, Asthma, Sinusitis, Hay-Fever

ARGOTONE REGD.

NASAL DROPS

and

DELTAMIN REGD.

TABLETS

(Natural Ephedrine with Aspirin)

RONA LABORATORIES LTD.

99 Oaklands Road, LONDON, N.W.2 Gladstone 5557

Who said you can't get CURICONES?

Make a note of this now. You CAN get "Curicones." So there is no need to disappoint your customers—or lose money yourself. It is true, of course; that only two sizes are now available, the 5/- size, and the large 24/- size. Your Wholesaler should have both sizes in stock. Delay may occur in delivery, so don't wait until you run out of "Curicones" before re-ordering. Staff shortage is now everybody's problem—and that includes your Wholesaler. He may not be able to attend to your orders so promptly as hitherto but he CAN supply you with "Curicones."

CURICONES

—the remedy for Rheumatism and kindred troubles.

are still obtainable

Small size **5/-**

Remember, "Curicones" is a P.A.T.A. line showing 33⅓ per cent. profit, nationally advertised and recommended by the medical profession.

Large size **24/-**

From your Wholesaler

Stephen Matthews & Co., Ltd., 19-21 Farringdon St., E.C.4

"ONE OF OUR SPECIALITIES"

Retails **9d.** Price **4/6** doz. + tax)

TRIAL PARCEL
(4 doz. for **21/-** carr. pd.)

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CF P.A.T.A

"ZEMS"

HERBAL LICORICE TABLETS

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Supplies may be obtained from C.F. Wholesale Houses

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EYE LOTION TABLETS

CHEMISTS CF FORMULA

are *always* in demand. Strain, wintry or foggy weather, black-out conditions, etc., all have their varied effects upon the eyes. Show Optabs and draw your dividends from our National Advertising Campaign.

SPECIAL BONUS PARCEL
£3 14s. 10d. CASH
Containing six doz. 10d., one doz. 3s. 4d. and two only 5s. 6d.
Bonus: Seven at 10d. and one at 3s. 4d.

EYE CUPS

made of special green ophthalmic glass, **cost 4s. 9d.** per doz. (plus tax)

EYE LOTION LIQUID

Manufactured and bottled under the most rigid control. Retailing at 2s. 3d. per bottle, and costing 16s. per doz. plus tax from all **C.F. Wholesalers.** Should difficulty be experienced in obtaining supplies, send **£2 13s. 2d. CASH direct,** for parcel containing 3 dozen bottles.

OPTABS LTD., 24, 26, 28 CHAPEL ST., BRADFORD, YORKS

NOW IN TINS

RETAIL 1/6

Costing 10s.6d. per doz, plus tax from **C.F. Wholesalers.** Where difficulty experienced, send **£6 19s. 8d. CASH** for 1 gross direct.

Each batch being tested by qualified bacteriologists, Episeps Germicidal Throat Tablets are indicated in cases of tonsillitis, laryngitis, pharyngitis and throat affections.

CHEMISTS CF FORMULA

EPISEPS LTD., EASTBROOK BDGS., LEEDS RD. BRADFORD, YORKS

Quart Measures in Pint Pots!

How to let the people know all about 'ASPRO', its service—safety—the quick help it renders, in limited space. That has always been a problem. A kindly advertising critic, remarking a few years back that 'ASPRO' had been "put on the map" in record time, commented that our advertisements were "crammed in with a shoe horn"—they were over-filled with interesting facts. Now our problem is intensified ten-fold by the reduced advertising space available in the Press. Nevertheless **these small advertisements are doing a grand job, maintaining and fostering the vast 'ASPRO' goodwill.**

The Chemist has his own problem. Although in many cases his display space is unchanged, he has to determine how to put it to the best possible use, both for the present and for the future goodwill of his business. It is worth remembering, therefore, that an 'ASPRO' show not only qualifies for bonus terms, **but capitalises and preserves for you the goodwill of the leading medicinal line.**

Fortunately, we are still able to supply a display or sticker on request, but **it has become a matter of vital concern to the Nation that every piece of display material should be made to last.** No more can be made or printed, so please use your present display as long as possible. When **it is really worn out,** put it with your other salvage and write us for a new one.

We have a limited supply of chemists 2-oz. bags available at 7/6 per 1,000.

'ASPRO'

Made in England by
ASPRO LTD., Slough, Bucks.
Telephone : Slough 22381

ASPRO REG. TRADE MARK

FERUTE

Specifically formulated Syrup for treatment of Children's coughs with Rose Hip and Blackcurrant Base.

Containing —

Ext. Scillæ Liq.	0.208%
Ext. Ipecac Liq.	0.42%
Liq. Tolutana	3.33%
Acet. Rub. Idæ	1.25%
Acid Phosphoric 1750	0.125%
Rose and Blackcurrant Syrup ad	100%

"The only children's Cough Syrup."

PLEASANTLY FLAVOURED

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[51/25]

The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

28 ESSEX STREET, LONDON, W.C.2

NOVEMBER 27 1943

Supplement Advertisements must be prepaid and should reach us not later than FIRST POST WEDNESDAY week of issue. Box Office numbers 1/- extra. Late advertisements will be held over to following week.

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